



**SITE INFORMATION**

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**Closure Report**  
**Orbit Transfer Pump (06.11.2023)**  
**Eddy County, New Mexico**  
**Unit C, Sec 10, T25S, R31E**  
**32.15005556°, -103.7657778°**

**Produced Water Release**  
**Incident ID: nAPP2316342880**  
**Point of Release: Equipment Failure**  
**Release Date: 06.11.2023**  
**Volume Released: 64 Barrels of Produced Water**  
**Volume Recovered: 30 Barrels of Produced Water**

**CARMONA RESOURCES**



**Prepared for:**  
**Devon Energy Production Company**  
**5315 Buena Vista Dr.**  
**Carlsbad, New Mexico 88220**

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

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April 23, 2026

New Mexico Oil Conservation District  
1220 South St, France Drive  
Santa Fe, NM 87505

Re: **Closure Report**  
**Orbit Transfer Pump (06.11.2023)**  
**Incident ID: nAPP2316342880**  
**Devon Energy Production Company**  
**Site Location: Unit C, S10, T25S, R31E**  
**32.15005556 °, - 103.7657778 °**  
**Eddy County, New Mexico**

To whom it may concern:

At the request of Devon Energy Production Company (Devon), Carmona Resources LLC, has prepared this letter to document the site activities at the Orbit Transfer Pump, located at 32.15005556°, -103.7657778 ° within Unit C, S10, T25S, R31E, in Eddy County, New Mexico (Figures 1 and 2).

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

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 11, 2023, due to equipment failure on the valve. The incident resulted in the release of approximately sixty-four (64) barrels of produced water, with thirty (30) barrels of produced water recovered. The release area is approximately 1,785 sq ft. The spill boundaries are shown in Figure 3. The Notification 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, there are no known water sources within a 0.50-mile radius of the location. The nearest Groundwater Determination Bore (GWDB) is located approximately 0.16 miles Northeast of the site in S10, T25S, 31E and was drilled in 2022. The GWDB was drilled to 55' feet below ground surface (ft bgs). A copy of the associated well 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 and remediating the site.

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

### **4.0 Site Assessment Activities**

#### **Initial Site Assessment**

On November 26, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impact stemming from inside and surrounding the release area. A total of four (4) horizontal sample points (H-1 through H-4) and three (3) sample points (S-1 through S-3) were installed to total depths ranging from surface to 4.0' bgs. 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 in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and Chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

#### Vertical Delineation

Vertical delineation was not achieved in the areas of S-2 and S-3. The areas for the following sample point areas were further excavated during remediation activities, Refer to Table 1.

#### Horizontal Delineation

All horizontals were below regulatory thresholds for TPH, BTEX, and Chlorides. Refer to Table 1.

### **5.0 Remediation Activities**

Beginning on March 18, 2026, Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on March 20, 2025, per Subsection D of 19.15.29.12 NMAC, see Appendix C. The area was excavated to a depth of 4.0 ft bgs. A total of ten (10) confirmation floor samples (CS-1 through CS-10) and six (6) sidewall samples (SW-1 through SW-6) were collected every 200 square feet to ensure the proper removal of contaminated soil. For chemical analysis, the soil samples were collected and placed into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas in accordance with established chain-of-custody protocols. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA method 8021B, and Chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and Chlorides. Refer to Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 1,785 square feet of contamination was remediated, resulting in approximately 265 cubic yards of material excavated and transported offsite for proper disposal. A composite backfill sample was collected for laboratory analysis on April 10, 2026, before being utilized. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 2.

### **6.0 Conclusion**

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

Sincerely,

**Carmona Resources, LLC**

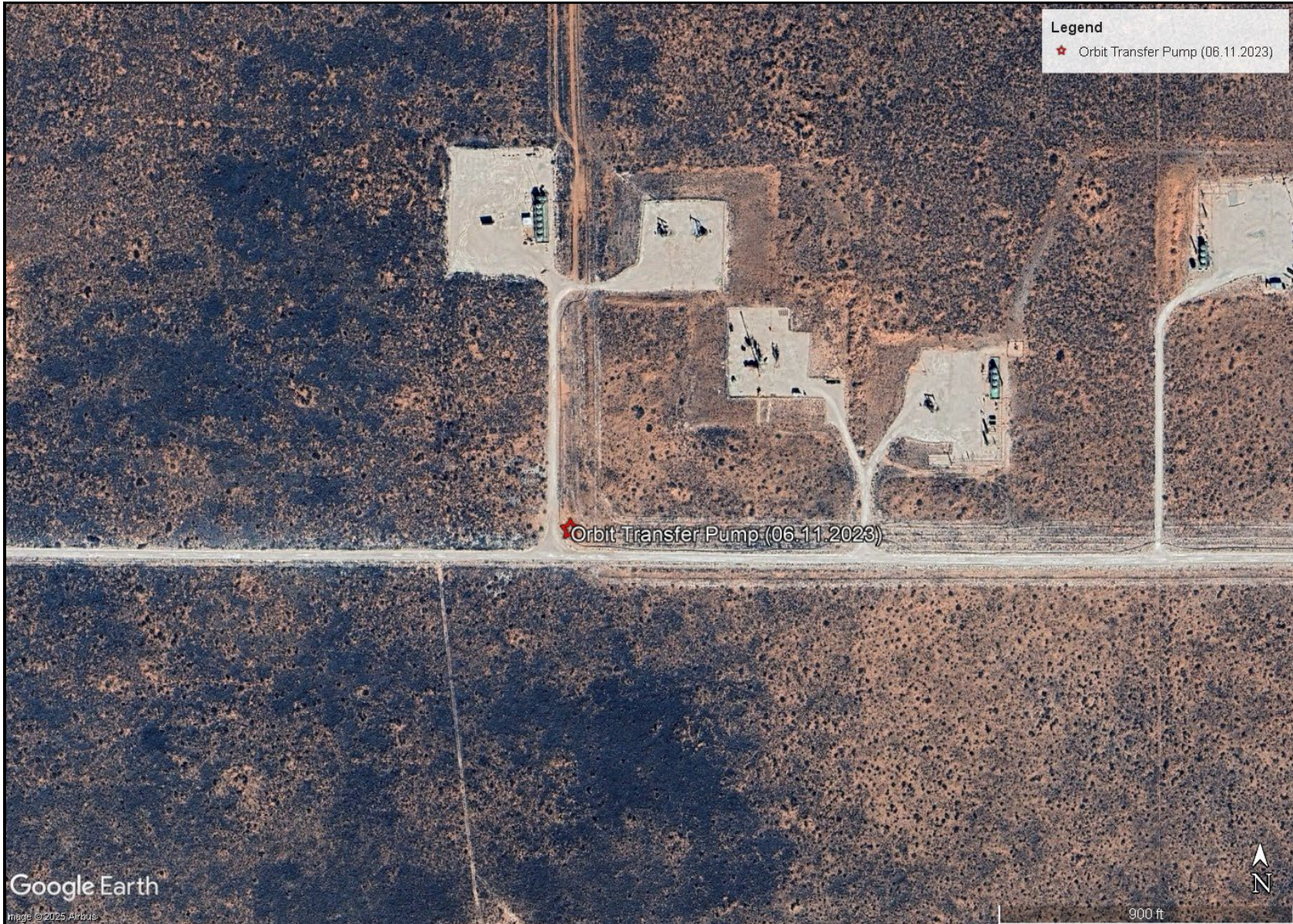
Ashton Thielke  
Director of Operations


Riley Plogger  
Project Manager

# FIGURES

CARMONA RESOURCES





<p>OVERVIEW MAP DEVON ENERGY PRODUCTION COMPANY ORBIT TRANSFER PUMP (06.11.2026) EDDY COUNTY, NEW MEXICO 32.15005556, -103.7657778</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 1</p>
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TOPOGRAPHIC MAP  
DEVON ENERGY PRODUCTION COMPANY  
ORBIT TRANSFER PUMP (06.11.2026)  
EDDY COUNTY, NEW MEXICO  
32.15005556, -103.7657778



FIGURE 2



<p>SAMPLE LOCATION MAP DEVON ENERGY PRODUCTION COMPANY ORBIT TRANSFER PUMP (06.11.2026) EDDY COUNTY, NEW MEXICO 32.15005556, -103.7657778</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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<p>EXCAVATION DEPTH MAP DEVON ENERGY PRODUCTION COMPANY ORBIT TRANSFER PUMP (06.11.2026) EDDY COUNTY, NEW MEXICO 32.15005556, -103.7657778</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4</p>
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# APPENDIX A

CARMONA RESOURCES



**Table 1**  
**Devon Energy Production Company**  
**Orbit Transfer Pump**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>S-1</b>	12/23/2024	0-1'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00200	<0.00399	<b>254</b>
	"	1.5'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00201	<0.00402	<b>689</b>
	"	2.0'	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00199	<0.00398	<b>945</b>
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00396	<b>703</b>
	"	4.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00200	<0.00399	106
<b>S-2</b>	12/23/2024	0-1'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00201	<0.00402	<b>201</b>
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00396	<b>743</b>
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00398	<b>992</b>
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00399	<b>698</b>
<b>S-3</b>	12/23/2024	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00402	<b>209</b>
	"	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00199	<0.00398	<b>746</b>
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00400	<b>750</b>
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00404	<b>701</b>
<i>Regulatory Criteria<sup>A</sup></i>						<b>100 mg/kg</b>	<b>10 mg/kg</b>				<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed  
<sup>A</sup> – Table 1 - 19.15.29 NMAC  
 mg/kg - milligram per kilogram  
 TPH - Total Petroleum Hydrocarbons  
 ft - feet  
 (S) Sample Point  
 Removed

**Table 1  
Devon Energy Production Company  
Orbit Transfer Pump  
Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	11/26/2025	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
H-2	11/26/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<9.92
H-3	11/26/2025	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<9.98
H-4	11/26/2025	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.94
<i>Regulatory Criteria<sup>A</sup></i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

**Table 2**  
**Devon Energy Production Company**  
**Orbit Transfer Pump**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>CS-1</b>	3/24/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	174
<b>CS-2</b>	3/24/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	62.7
<b>CS-3</b>	3/24/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	339
<b>CS-4</b>	3/24/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	29.5
<b>CS-5</b>	3/24/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	118
<b>CS-6</b>	3/24/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	315
<b>CS-7</b>	3/24/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	66.6
<b>CS-8</b>	3/24/2026	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	133
<b>CS-9</b>	3/24/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.0
<b>CS-10</b>	3/24/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	179
<i>Regulatory Criteria<sup>A</sup></i>			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  
Devon Energy Production Company  
Orbit Transfer Pump  
Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
<b>SW-1</b>	3/24/2026	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	223
<b>SW-2</b>	3/24/2026	4.0'	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	36.7
<b>SW-3</b>	3/24/2026	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	72.3
<b>SW-4</b>	3/24/2026	4.0'	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	145
<b>SW-5</b>	3/24/2026	4.0'	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	68.6
<b>SW-6</b>	3/24/2026	4.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	57.3
<b>Backfill Sample</b>	4/10/2026	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00402	47.0
<i>Regulatory Criteria<sup>A</sup></i>						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

## Devon Energy

### Photograph No. 1

**Facility:** Orbit Transfer Pump (06.11.2023)

**County:** Eddy County, New Mexico

**Description:**  
View Northeast of CS-1 through CS-10.



### Photograph No. 2

**Facility:** Orbit Transfer Pump (06.11.2023)

**County:** Eddy County, New Mexico

**Description:**  
View Southeast of areas of CS-1 through CS-10.



### Photograph No. 3

**Facility:** Orbit Transfer Pump (06.11.2023)

**County:** Eddy County, New Mexico

**Description:**  
View Northwest of areas of CS-1 through CS-10.



## 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 226361

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 226361
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Orbit Transfer Pump
Date Release Discovered	06/11/2023
Surface Owner	Federal

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	Yes
Has this release reached or does it have a reasonable probability of reaching a watercourse	Yes
Has this release endangered or does it have a reasonable probability of endangering public health	Yes
Has this release substantially damaged or will it substantially damage property or the environment	Yes
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	Yes

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Valve   Produced Water   Released: 64 BBL   Recovered: 30 BBL   Lost: 34 BBL.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	A produced water spill of 64 barrels occurred approximately 0.2 miles away from the Cotton Draw Unit 089 pad (32.15005556 -103.7657778). The spill happened at an Orbit transfer pump. Upon discovery, they isolated the valve and drove their truck tire over the lay flat line to pinch off the release. 30 barrels was recovered, and Orbit has already begun clean up.

**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 226361

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 226361
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by 19.15.29.7(A) NMAC	<b>Yes, major release.</b>
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> <li>• This release resulted in a fire or was the result of a fire</li> <li>• This release reached or has a reasonable probability of reaching a watercourse</li> <li>• This release endangered or has a reasonable probability of endangering public health</li> <li>• This release substantially damaged or will substantially damage property or the environment</li> <li>• This release is of a volume that is or may be, with reasonable probability be detrimental to fresh water</li> </ul>
If YES, was immediate notice given to the OCD, by whom	DALE WOODALL
If YES, was immediate notice given to the OCD, to whom	ROBERT HAMLET AND THE OCD
If YES, was immediate notice given to the OCD, when	06/12/2023
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	EMAIL

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

ACKNOWLEDGMENTS

Action 226361

**ACKNOWLEDGMENTS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 226361
	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 226361

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 226361
	Action Type: [NOTIFY] Notification Of Release (NOR)

**CONDITIONS**

Created By	Condition	Condition Date
wdale	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	6/12/2023

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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Incident ID	nAPP2316342880
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone 575-748-1838
Contact email dale.woodall@dvn.com	Incident # (assigned by OCD) nAPP2316342880
Contact mailing address 205 E. Bender Road. #150; Hobbs, NM 88240	

### Location of Release Source

Latitude 32.1504339 Longitude -103.7627048  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name Orbit Transfer Pump	Site Type
Date Release Discovered 6/11/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
B	10	25S	31E	Eddy

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 64	Volume Recovered (bbls) 30
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release  
A lay flat line ruptured at the Orbit Transfer Pump released 64 bbls of produced water near a lease road by the Cotton Draw Unit 89 pad. The spill was isolated and the line was pinched to stop the release. An earthen berm was constructed to minimize migration of the spill. Originally reported as being at 32.15005556,-103.7657778. The actual spill is east of the reported location.

State of New Mexico  
Oil Conservation Division

Page 2

Incident ID	nAPP2316342880
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? <b>more than 25 bbls</b>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>yes. by Dale Woodall. To Robert Hamlet and the OCD; via email on 6/12/2023</b>	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:  
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 attach a narrative of actions to date. 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 attach all information needed for closure evaluation.
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.
Printed Name: <u>Dale Woodall</u> Title: <u>Env. Professional</u> Signature: <u>Dale Woodall</u> Date: <u>6/22/2023</u> email: <u>dale.woodall@dvn.com</u> Telephone: <u>575-748-1838</u>
<b><u>OCD Only</u></b> Received by: <u>Shelby Wells</u> Date: <u>6/23/2023</u>

Orbit Transfer Pump

nAPP2316342880

6/11/2023

<b>Spill Volume(Bbls) Calculator</b>	
<i>Inputs in blue, Outputs in red</i>	
<b>Contaminated Soil measurement</b>	
Area (sq feet)	Depth (in)
<u>1400</u>	<u>6.000</u>
Cubic Feet of Soil Impacted	<u>700.000</u>
Barrels of Soil Impacted	<u>124.78</u>
Soil Type	Sand
Barrels of Oil Assuming 100% Saturation	<u>24.96</u>
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	2.50
<b>Free Standing Fluid Only</b>	
Area (sq feet)	Depth (inches)
<u>1400</u>	<u>1.875</u>
Standing fluid	<u>38.900</u>
<b>Total fluids spilled</b>	<b><u>63.860</u></b>

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

CONDITIONS

Action 231709

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 231709
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
scwells	None	6/23/2023

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 565029

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 565029
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2316342880
Incident Name	NAPP2316342880 ORBIT TRANSFER PUMP @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

<b>Location of Release Source</b>	
Site Name	ORBIT TRANSFER PUMP
Date Release Discovered	06/11/2023
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,785
What is the estimated number of samples that will be gathered	13
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/24/2026
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	432-701-5475
Please provide any information necessary for navigation to sampling site	32.15005556,-103.7657778

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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 565029

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 565029
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/20/2026
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	3/20/2026

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 565033

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 565033
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2316342880
Incident Name	NAPP2316342880 ORBIT TRANSFER PUMP @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

<b>Location of Release Source</b>	
Site Name	ORBIT TRANSFER PUMP
Date Release Discovered	06/11/2023
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,785
What is the estimated number of samples that will be gathered	13
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/25/2026
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	432-701-5475
Please provide any information necessary for navigation to sampling site	32.15005556,-103.7657778

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
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CONDITIONS

Action 565033

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
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**CONDITIONS**

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jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/20/2026
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	3/20/2026

## APPENDIX D

CARMONA RESOURCES



### Nearest Water Well

DEVON ENERGY PRODUCTION COMPANY, LP

**Legend**

- 0.16 Miles
- 0.50 Mile Radius
- Groundwater Determination Bore
- ORBIT TRANSFER PUMP (06.11.2023)



55' GWDB - Drilled 2022

ORBIT TRANSFER PUMP (06.11.2023)



5000 ft

Legend

- Low
- ORBIT TRANSFER PUMP (06.11.2023)

Low Karst

DEVON ENERGY PRODUCTION COMPANY, LP

ORBIT TRANSFER PUMP (06.11.2023)





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
<a href="#">C 04632 POD1</a>		CUB	ED	NW	NE	NE	10	25S	31E	616802.3	3557964.2	●	249	55		
<a href="#">C 04762 POD1</a>		CUB	ED	NE	SW	NW	03	25S	31E	615852.8	3559163.3	●	1612	110		
<a href="#">C 04912 POD1</a>		CUB	ED	NE	NW	NW	14	25S	31E	617588.0	3556320.4	●	1719	55		
<a href="#">C 04894 POD1</a>		CUB	ED	NE	NW	NW	14	25S	31E	617587.0	3556319.4	●	1719	55		
<a href="#">C 04593 POD1</a>		CUB	ED	SW	SE	SE	34	24S	31E	616902.6	3559674.6	●	1926	55		
<a href="#">C 03830 POD1</a>		CUB	ED	SE	NE	SE	02	25S	31E	618632.5	3558432.9	●	2088	450		
<a href="#">C 02570</a>		CUB	ED	SE	NE	SE	02	25S	31E	618704.0	3558489.0 *	●	2174	895		
<a href="#">C 02571</a>		CUB	ED	SE	NW	NE	02	25S	31E	618292.0	3559294.0 *	●	2241	860		
<a href="#">C 02574</a>		CUB	ED	NW	NW	NE	02	25S	31E	618092.0	3559494.0 *	●	2249			
<a href="#">C 02573</a>		CUB	ED	NW	SE	NE	02	25S	31E	618499.0	3559091.0 *	●	2272			
<a href="#">C 02569</a>		CUB	ED	SE	SE	NE	02	25S	31E	618699.0	3558891.0 *	●	2334	1016		
<a href="#">C 02572</a>		CUB	ED	SE	NE	NE	02	25S	31E	618695.0	3559294.0 *	●	2550	852		
<a href="#">C 02568</a>		CUB	ED	SE	SW	NW	01	25S	31E	619103.0	3558892.0 *	●	2696	1025		
<a href="#">C 04479 POD1</a>		CUB	ED	NE	NW	NW	04	25S	31E	614182.1	3559400.0	●	2964	0	0	0
<a href="#">C 04792 POD1</a>		CUB	ED	NW	SW	SE	12	25S	31E	619687.5	3556651.9	●	3230	55		
<a href="#">C 04635 POD1</a>		CUB	ED	SE	SW	SE	01	25S	31E	619957.6	3558078.3	●	3318	55		
<a href="#">C 04633 POD1</a>		CUB	ED	NE	NW	NW	35	24S	31E	617394.3	3561170.0	●	3485			
<a href="#">C 04925 POD1</a>		CUB	ED	SE	NW	NE	23	25S	31E	618293.2	3554489.9	●	3661	55		

Average Depth to Water: **0 feet**

Minimum Depth: **0 feet**

Maximum Depth: **0 feet**

**Record Count:** 18

**UTM Filters (in meters):**

**Easting:** 616654.00

**Northing:** 3557764.00

**Radius:** 4000

\* UTM location was derived from PLSS - see Help

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



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4632			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 9	SECONDS 7.47	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LONGITUDE 103	45	41.06	W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NE NE Sec.10 T25S R31S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 6/8/2022		DRILLING ENDED 6/8/2022		DEPTH OF COMPLETED WELL (FT) Temporary Well		BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		DATE STATIC MEASURED 6/14/2022
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF FITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

OSE DTJ JUN 16 2022 PM 3:12

FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 01/28/2022)			
FILE NO.	C-4632	POD NO.	1	TRN NO.	726269		
LOCATION	25S.31E.10	122	WELL TAG ID NO.	—	PAGE 1 OF 2		



Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 726269  
File Nbr: C 04632  
Well File Nbr: C 04632 POD1

Jun. 24, 2022

DALE WOODALL  
DEVON ENERGY  
6488 7 RIVERS HWY  
ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 05/24/2022.

The Well Record was received in this office on 06/16/2022, stating that it had been completed on 06/08/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/24/2023.

If you have any questions, please feel free to contact us.

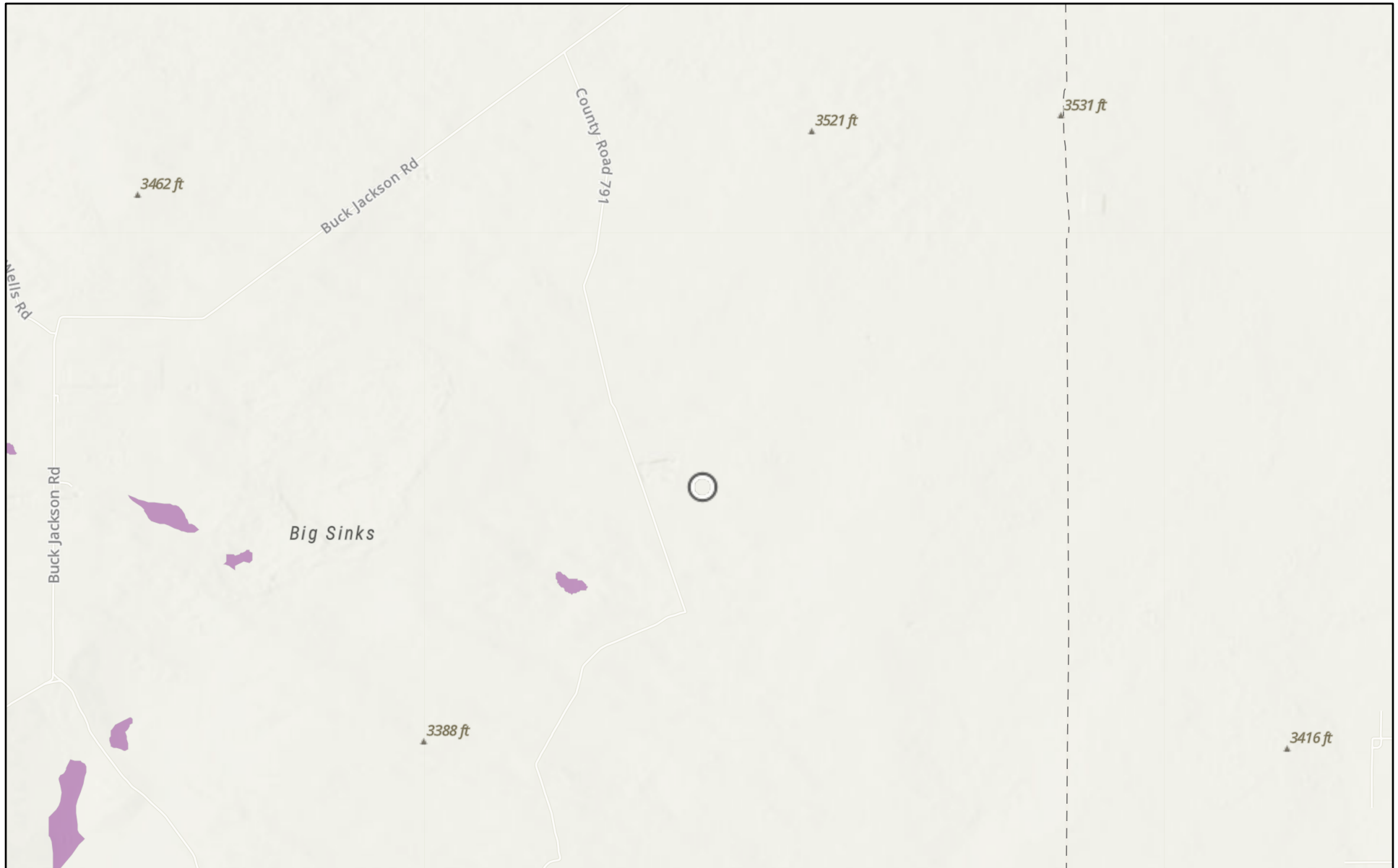
Sincerely,

A handwritten signature in blue ink, appearing to read "Azucena Ramirez".

Azucena Ramirez  
(575) 622-6521

drywell

# ORBIT TRANSFER PUMP (06.11.2023)

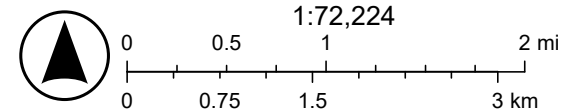


4/20/2026

USA Flood Hazard Areas

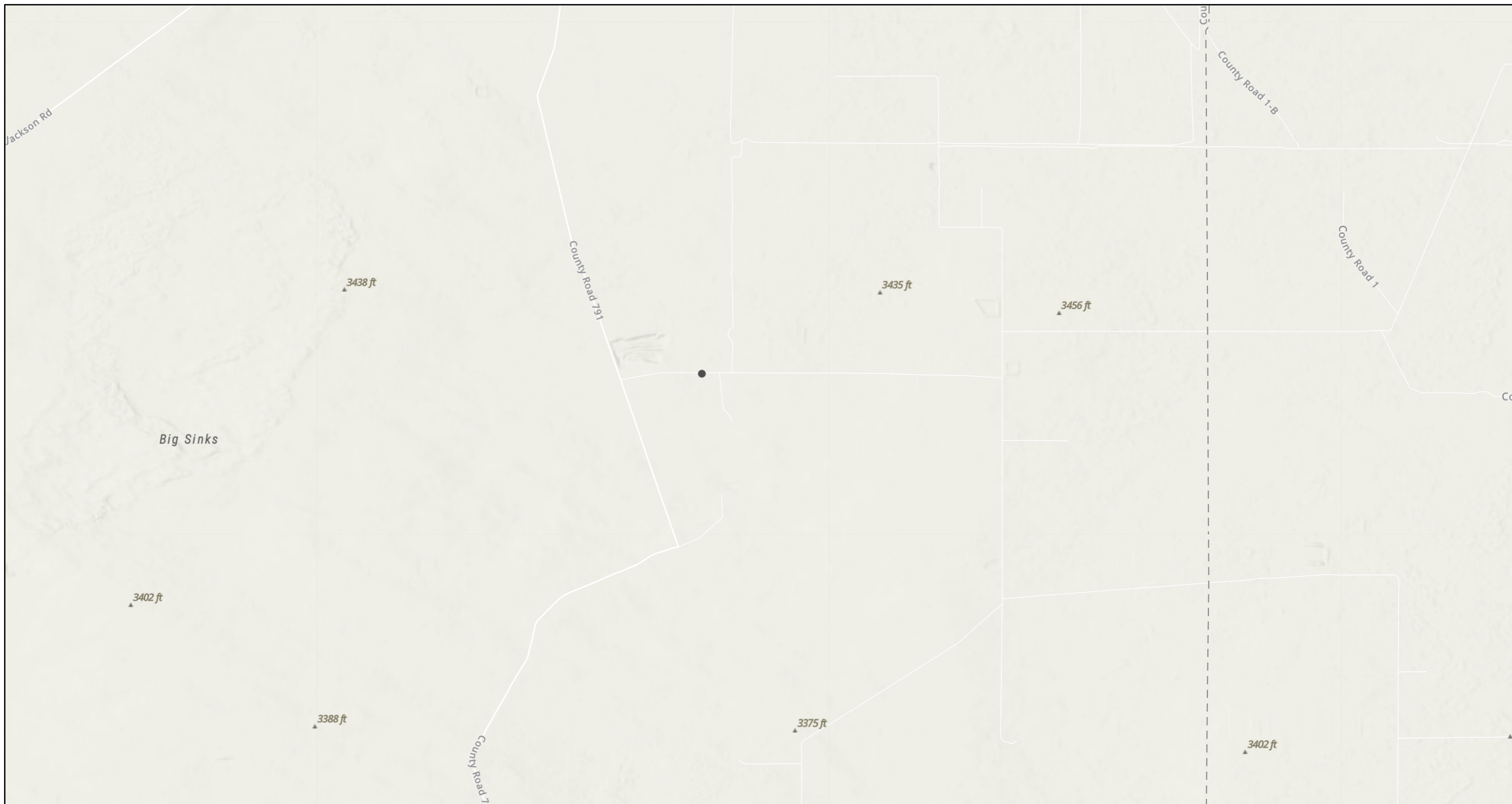
 1% Annual Chance Flood Hazard

World\_Hillshade



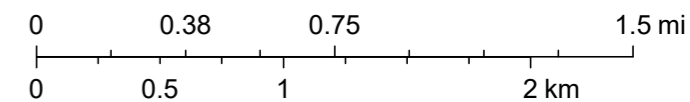
Source: FEMA, Esri, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Esri, NASA,

# ORBIT TRANSFER PUMP (06.11.2023)



4/20/2026, 2:18:51 PM

1:36,112



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









# ORBIT TRANSFER PUMP (06.11.2023)



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

April 20, 2026

**Wetlands**

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

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

# APPENDIX E

CARMONA RESOURCES





Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Devin Dominguez  
 Carmona Resources  
 310 W Wall St  
 Ste 500  
 Midland, Texas 79701

Generated 1/3/2025 12:47:26 PM

## JOB DESCRIPTION

Orbit Transfer Pump  
 2611

## JOB NUMBER

880-52663-1

Eurofins Midland  
 1211 W. Florida Ave  
 Midland TX 79701



# Eurofins Midland

## Job Notes

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

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

## Authorization



Generated  
1/3/2025 12:47:26 PM

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

- 1
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Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Laboratory Job ID: 880-52663-1  
SDG: 2611

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
SDG: 2611

## Qualifiers

## GC VOA

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

## GC Semi VOA

Qualifier	Qualifier Description
*+	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.

## HPLC/IC

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

## Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: Orbit Transfer Pump

Job ID: 880-52663-1

**Job ID: 880-52663-1**

**Eurofins Midland**

### Job Narrative 880-52663-1

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

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

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

#### Receipt

The samples were received on 12/27/2024 9:56 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C.

#### GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-98785 and 880-98969 and analytical batch 880-98922 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-98922 recovered under the lower control limit for Ethylbenzene and m-Xylene & p-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (0.1') (880-52663-1), S-1 (1.5') (880-52663-2), S-2 (2.0') (880-52663-7), S-2 (3.0') (880-52663-8), S-3 (1.5') (880-52663-10) and S-3 (3.0') (880-52663-12). Evidence of matrix interferences is not obvious.

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

#### Diesel Range Organics

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-98967 and analytical batch 880-99300 was outside the upper control limits.

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-98967/2-A) and (LCSD 880-98967/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-98967 and analytical batch 880-99300 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-99156 and analytical batch 880-99184 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-2 (1.5') (880-52663-6), S-2 (2.0') (880-52663-7), S-2 (3.0') (880-52663-8), S-3 (0.1') (880-52663-9), S-3 (1.5') (880-52663-10), S-3 (2.0') (880-52663-11), S-3 (3.0') (880-52663-12), (880-52663-A-6-D MS) and (880-52663-A-6-E MSD).

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

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

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

**Lab Sample ID: 880-52663-1**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:31	12/28/24 01:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:31	12/28/24 01:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:31	12/28/24 01:05	1
<b>m-Xylene &amp; p-Xylene</b>	<b>0.00818</b>		0.00398		mg/Kg		12/27/24 14:31	12/28/24 01:05	1
<b>o-Xylene</b>	<b>0.00492</b>		0.00199		mg/Kg		12/27/24 14:31	12/28/24 01:05	1
<b>Xylenes, Total</b>	<b>0.0131</b>		0.00398		mg/Kg		12/27/24 14:31	12/28/24 01:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	409	S1+	70 - 130	12/27/24 14:31	12/28/24 01:05	1
1,4-Difluorobenzene (Surr)	73		70 - 130	12/27/24 14:31	12/28/24 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total BTEX</b>	<b>0.0131</b>		0.00398		mg/Kg			12/28/24 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/02/25 22:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/27/24 14:25	01/02/25 22:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		12/27/24 14:25	01/02/25 22:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 14:25	01/02/25 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	12/27/24 14:25	01/02/25 22:14	1
o-Terphenyl	96		70 - 130	12/27/24 14:25	01/02/25 22:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>100</b>		10.0		mg/Kg			12/31/24 16:46	1

**Client Sample ID: S-1 (1.5')**

**Lab Sample ID: 880-52663-2**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:31	12/28/24 01:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:31	12/28/24 01:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:31	12/28/24 01:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/27/24 14:31	12/28/24 01:25	1
<b>o-Xylene</b>	<b>0.00250</b>		0.00202		mg/Kg		12/27/24 14:31	12/28/24 01:25	1
<b>Xylenes, Total</b>	<b>&lt;0.00404</b>	U	0.00404		mg/Kg		12/27/24 14:31	12/28/24 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	340	S1+	70 - 130	12/27/24 14:31	12/28/24 01:25	1
1,4-Difluorobenzene (Surr)	70		70 - 130	12/27/24 14:31	12/28/24 01:25	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

**Client Sample ID: S-1 (1.5')**

**Lab Sample ID: 880-52663-2**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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			12/28/24 01:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/02/25 22:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/27/24 14:25	01/02/25 22:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		12/27/24 14:25	01/02/25 22:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 14:25	01/02/25 22:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	12/27/24 14:25	01/02/25 22:30	1
o-Terphenyl	110		70 - 130	12/27/24 14:25	01/02/25 22:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	233		9.94		mg/Kg			12/31/24 16:52	1

**Client Sample ID: S-1 (2.0')**

**Lab Sample ID: 880-52663-3**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:31	12/28/24 01:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 01:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 01:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/27/24 14:31	12/28/24 01:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 01:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/27/24 14:31	12/28/24 01:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/27/24 14:31	12/28/24 01:46	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/27/24 14:31	12/28/24 01:46	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			12/28/24 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/02/25 22:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/27/24 14:25	01/02/25 22:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		12/27/24 14:25	01/02/25 22:46	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

**Client Sample ID: S-1 (2.0')**

**Lab Sample ID: 880-52663-3**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:25	01/02/25 22:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/27/24 14:25	01/02/25 22:46	1
o-Terphenyl	114		70 - 130				12/27/24 14:25	01/02/25 22:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		9.96		mg/Kg			12/31/24 16:57	1

**Client Sample ID: S-1 (3.0')**

**Lab Sample ID: 880-52663-4**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:31	12/28/24 02:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:31	12/28/24 02:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:31	12/28/24 02:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/24 14:31	12/28/24 02:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:31	12/28/24 02:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/24 14:31	12/28/24 02:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				12/27/24 14:31	12/28/24 02:06	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/27/24 14:31	12/28/24 02:06	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			12/28/24 02:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/02/25 23:02	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		12/27/24 14:25	01/02/25 23:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		12/27/24 14:25	01/02/25 23:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:25	01/02/25 23:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/27/24 14:25	01/02/25 23:02	1
o-Terphenyl	103		70 - 130				12/27/24 14:25	01/02/25 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	530		9.92		mg/Kg			12/31/24 17:03	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

**Client Sample ID: S-2 (0.1')**

**Lab Sample ID: 880-52663-5**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:31	12/28/24 02:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 02:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 02:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/24 14:31	12/28/24 02:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 02:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/24 14:31	12/28/24 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/27/24 14:31	12/28/24 02:27	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/27/24 14:31	12/28/24 02:27	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			12/28/24 02:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/02/25 23:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 14:25	01/02/25 23:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		12/27/24 14:25	01/02/25 23:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:25	01/02/25 23:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	12/27/24 14:25	01/02/25 23:17	1
o-Terphenyl	111		70 - 130	12/27/24 14:25	01/02/25 23:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	271		10.1		mg/Kg			12/31/24 17:09	1

**Client Sample ID: S-2 (1.5')**

**Lab Sample ID: 880-52663-6**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:31	12/28/24 02:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:31	12/28/24 02:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:31	12/28/24 02:47	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/27/24 14:31	12/28/24 02:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:31	12/28/24 02:47	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/27/24 14:31	12/28/24 02:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/27/24 14:31	12/28/24 02:47	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/27/24 14:31	12/28/24 02:47	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

**Client Sample ID: S-2 (1.5')**

**Lab Sample ID: 880-52663-6**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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			12/28/24 02:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/02/25 23:34	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		12/27/24 14:25	01/02/25 23:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		12/27/24 14:25	01/02/25 23:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 14:25	01/02/25 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	12/27/24 14:25	01/02/25 23:34	1
o-Terphenyl	102		70 - 130	12/27/24 14:25	01/02/25 23:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100	F1	9.94		mg/Kg			12/31/24 17:14	1

**Client Sample ID: S-2 (2.0')**

**Lab Sample ID: 880-52663-7**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:31	12/28/24 03:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/27/24 14:31	12/28/24 03:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/27/24 14:31	12/28/24 03:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/27/24 14:31	12/28/24 03:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/27/24 14:31	12/28/24 03:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/27/24 14:31	12/28/24 03:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	253	S1+	70 - 130	12/27/24 14:31	12/28/24 03:07	1
1,4-Difluorobenzene (Surr)	123		70 - 130	12/27/24 14:31	12/28/24 03:07	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			12/28/24 03:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/02/25 23:49	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		12/27/24 14:25	01/02/25 23:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		12/27/24 14:25	01/02/25 23:49	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

**Client Sample ID: S-2 (2.0')**

**Lab Sample ID: 880-52663-7**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:25	01/02/25 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				12/27/24 14:25	01/02/25 23:49	1
o-Terphenyl	105		70 - 130				12/27/24 14:25	01/02/25 23:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		9.98		mg/Kg			12/31/24 17:31	1

**Client Sample ID: S-2 (3.0')**

**Lab Sample ID: 880-52663-8**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:31	12/28/24 03:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 03:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 03:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/27/24 14:31	12/28/24 03:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 03:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/27/24 14:31	12/28/24 03:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	320	S1+	70 - 130				12/27/24 14:31	12/28/24 03:28	1
1,4-Difluorobenzene (Surr)	75		70 - 130				12/27/24 14:31	12/28/24 03:28	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			12/28/24 03:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/25 00:21	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		12/27/24 14:25	01/03/25 00:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		12/27/24 14:25	01/03/25 00:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 14:25	01/03/25 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/27/24 14:25	01/03/25 00:21	1
o-Terphenyl	113		70 - 130				12/27/24 14:25	01/03/25 00:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		9.96		mg/Kg			12/31/24 17:37	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

**Client Sample ID: S-3 (0.1')**

**Lab Sample ID: 880-52663-9**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:31	12/28/24 03:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:31	12/28/24 03:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:31	12/28/24 03:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/24 14:31	12/28/24 03:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:31	12/28/24 03:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/24 14:31	12/28/24 03:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/27/24 14:31	12/28/24 03:48	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/27/24 14:31	12/28/24 03:48	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			12/28/24 03:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/25 00:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 14:25	01/03/25 00:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		12/27/24 14:25	01/03/25 00:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:25	01/03/25 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	12/27/24 14:25	01/03/25 00:37	1
o-Terphenyl	117		70 - 130	12/27/24 14:25	01/03/25 00:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		10.0		mg/Kg			12/31/24 17:54	1

**Client Sample ID: S-3 (1.5')**

**Lab Sample ID: 880-52663-10**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:31	12/28/24 04:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 04:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 04:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/24 14:31	12/28/24 04:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 04:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/24 14:31	12/28/24 04:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	334	S1+	70 - 130	12/27/24 14:31	12/28/24 04:09	1
1,4-Difluorobenzene (Surr)	73		70 - 130	12/27/24 14:31	12/28/24 04:09	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

**Client Sample ID: S-3 (1.5')**

**Lab Sample ID: 880-52663-10**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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			12/28/24 04:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/03/25 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/27/24 14:25	01/03/25 00:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		12/27/24 14:25	01/03/25 00:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 14:25	01/03/25 00:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	12/27/24 14:25	01/03/25 00:53	1
o-Terphenyl	122		70 - 130	12/27/24 14:25	01/03/25 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		10.0		mg/Kg			12/31/24 18:00	1

**Client Sample ID: S-3 (2.0')**

**Lab Sample ID: 880-52663-11**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:31	12/28/24 05:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:31	12/28/24 05:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:31	12/28/24 05:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/27/24 14:31	12/28/24 05:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:31	12/28/24 05:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/27/24 14:31	12/28/24 05:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	12/27/24 14:31	12/28/24 05:59	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/27/24 14:31	12/28/24 05:59	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			12/28/24 05:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/03/25 01:09	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		12/27/24 14:25	01/03/25 01:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		12/27/24 14:25	01/03/25 01:09	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

**Client Sample ID: S-3 (2.0')**

**Lab Sample ID: 880-52663-11**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:25	01/03/25 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/27/24 14:25	01/03/25 01:09	1
o-Terphenyl	113		70 - 130				12/27/24 14:25	01/03/25 01:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.5		10.0		mg/Kg			12/31/24 18:05	1

**Client Sample ID: S-3 (3.0')**

**Lab Sample ID: 880-52663-12**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:31	12/28/24 06:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 06:19	1
Ethylbenzene	0.00422		0.00200		mg/Kg		12/27/24 14:31	12/28/24 06:19	1
m-Xylene & p-Xylene	0.00831		0.00401		mg/Kg		12/27/24 14:31	12/28/24 06:19	1
o-Xylene	0.00517		0.00200		mg/Kg		12/27/24 14:31	12/28/24 06:19	1
Xylenes, Total	0.0135		0.00401		mg/Kg		12/27/24 14:31	12/28/24 06:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	192	S1+	70 - 130				12/27/24 14:31	12/28/24 06:19	1
1,4-Difluorobenzene (Surr)	73		70 - 130				12/27/24 14:31	12/28/24 06:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0177		0.00401		mg/Kg			12/28/24 06:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/03/25 01:26	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		12/27/24 14:25	01/03/25 01:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		12/27/24 14:25	01/03/25 01:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:25	01/03/25 01:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/27/24 14:25	01/03/25 01:26	1
o-Terphenyl	112		70 - 130				12/27/24 14:25	01/03/25 01:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.8		9.96		mg/Kg			12/31/24 18:11	1

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
SDG: 2611

## 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)
880-52663-1	S-1 (0-1')	409 S1+	73
880-52663-1 MS	S-1 (0-1')	130	98
880-52663-1 MSD	S-1 (0-1')	112	103
880-52663-2	S-1 (1.5')	340 S1+	70
880-52663-3	S-1 (2.0')	108	102
880-52663-4	S-1 (3.0')	113	99
880-52663-5	S-2 (0.1')	121	105
880-52663-6	S-2 (1.5')	118	103
880-52663-7	S-2 (2.0')	253 S1+	123
880-52663-8	S-2 (3.0')	320 S1+	75
880-52663-9	S-3 (0.1')	110	106
880-52663-10	S-3 (1.5')	334 S1+	73
880-52663-11	S-3 (2.0')	99	99
880-52663-12	S-3 (3.0')	192 S1+	73
LCS 880-98969/1-A	Lab Control Sample	116	89
LCSD 880-98969/2-A	Lab Control Sample Dup	108	105
MB 880-98785/5-A	Method Blank	153 S1+	83
MB 880-98969/5-A	Method Blank	227 S1+	123

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-52662-A-2-B MS	Matrix Spike	104	113
880-52662-A-2-C MSD	Matrix Spike Duplicate	104	113
880-52663-1	S-1 (0-1')	95	96
880-52663-2	S-1 (1.5')	108	110
880-52663-3	S-1 (2.0')	111	114
880-52663-4	S-1 (3.0')	100	103
880-52663-5	S-2 (0.1')	109	111
880-52663-6	S-2 (1.5')	102	102
880-52663-7	S-2 (2.0')	104	105
880-52663-8	S-2 (3.0')	109	113
880-52663-9	S-3 (0.1')	111	117
880-52663-10	S-3 (1.5')	118	122
880-52663-11	S-3 (2.0')	108	113
880-52663-12	S-3 (3.0')	108	112
LCS 880-98967/2-A	Lab Control Sample	135 S1+	147 S1+
LCSD 880-98967/3-A	Lab Control Sample Dup	140 S1+	150 S1+
MB 880-98967/1-A	Method Blank	132 S1+	136 S1+

**Surrogate Legend**  
1CO = 1-Chlorooctane  
OTPH = o-Terphenyl

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

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

Lab Sample ID: MB 880-98785/5-A  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 98785

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/26/24 09:36	12/27/24 13:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	12/26/24 09:36	12/27/24 13:00	1
1,4-Difluorobenzene (Surr)	83		70 - 130	12/26/24 09:36	12/27/24 13:00	1

Lab Sample ID: MB 880-98969/5-A  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 98969

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/24 14:31	12/28/24 00:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	227	S1+	70 - 130	12/27/24 14:31	12/28/24 00:36	1
1,4-Difluorobenzene (Surr)	123		70 - 130	12/27/24 14:31	12/28/24 00:36	1

Lab Sample ID: LCS 880-98969/1-A  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 98969

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1005		mg/Kg		101	70 - 130
Toluene	0.100	0.1016		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2269		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1185		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-98969/2-A  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 98969

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1078		mg/Kg		108	70 - 130	7	35

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

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

Lab Sample ID: LCSD 880-98969/2-A  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 98969

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD Limit
							Limits	RPD	
Toluene	0.100	0.1031		mg/Kg		103	70 - 130	1	35
Ethylbenzene	0.100	0.09733		mg/Kg		97	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2192		mg/Kg		110	70 - 130	3	35
o-Xylene	0.100	0.1161		mg/Kg		116	70 - 130	2	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-52663-1 MS  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: S-1 (0-1')  
 Prep Type: Total/NA  
 Prep Batch: 98969

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00199	U	0.0996	0.09767		mg/Kg		98	70 - 130	
Toluene	<0.00199	U	0.0996	0.08745		mg/Kg		88	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.08207		mg/Kg		81	70 - 130	
m-Xylene & p-Xylene	0.00818		0.199	0.2184		mg/Kg		106	70 - 130	
o-Xylene	0.00492		0.0996	0.1214		mg/Kg		117	70 - 130	

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

Lab Sample ID: 880-52663-1 MSD  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: S-1 (0-1')  
 Prep Type: Total/NA  
 Prep Batch: 98969

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-98967/1-A  
 Matrix: Solid  
 Analysis Batch: 99300

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 98967

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 14:25	01/02/25 20:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 14:25	01/02/25 20:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:25	01/02/25 20:05	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	132	S1+	70 - 130	12/27/24 14:25	01/02/25 20:05	1
o-Terphenyl	136	S1+	70 - 130	12/27/24 14:25	01/02/25 20:05	1

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

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

**Lab Sample ID: LCS 880-98967/2-A**  
**Matrix: Solid**  
**Analysis Batch: 99300**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 98967**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1249		mg/Kg		125	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1397	*+	mg/Kg		140	70 - 130	
		<b>LCS</b>	<b>LCS</b>					
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>			<b>Limits</b>		
1-Chlorooctane		135	S1+			70 - 130		
o-Terphenyl		147	S1+			70 - 130		

**Lab Sample ID: LCSD 880-98967/3-A**  
**Matrix: Solid**  
**Analysis Batch: 99300**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 98967**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1287		mg/Kg		129	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	1000	1411	*+	mg/Kg		141	70 - 130	1	20	
		<b>LCSD</b>	<b>LCSD</b>							
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>			<b>Limits</b>				
1-Chlorooctane		140	S1+			70 - 130				
o-Terphenyl		150	S1+			70 - 130				

**Lab Sample ID: 880-52662-A-2-B MS**  
**Matrix: Solid**  
**Analysis Batch: 99300**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 98967**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	732.7		mg/Kg		74	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U *+	995	850.2		mg/Kg		85	70 - 130	
		<b>MS</b>	<b>MS</b>							
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>			<b>Limits</b>				
1-Chlorooctane		104				70 - 130				
o-Terphenyl		113				70 - 130				

**Lab Sample ID: 880-52662-A-2-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 99300**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 98967**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
											RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	746.4		mg/Kg		75	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<50.0	U *+	995	852.3		mg/Kg		86	70 - 130	0	20	
		<b>MSD</b>	<b>MSD</b>									
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>			<b>Limits</b>						
1-Chlorooctane		104				70 - 130						

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

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

Lab Sample ID: 880-52662-A-2-C MSD  
 Matrix: Solid  
 Analysis Batch: 99300

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 98967

Surrogate	%Recovery	MSD MSD Qualifier	Limits
<i>o</i> -Terphenyl	113		70 - 130

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

Lab Sample ID: MB 880-99156/1-A  
 Matrix: Solid  
 Analysis Batch: 99184

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/31/24 15:38	1

Lab Sample ID: LCS 880-99156/2-A  
 Matrix: Solid  
 Analysis Batch: 99184

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.9		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-99156/3-A  
 Matrix: Solid  
 Analysis Batch: 99184

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	263.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-52663-6 MS  
 Matrix: Solid  
 Analysis Batch: 99184

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	100	F1	249	385.6	F1	mg/Kg		115	90 - 110

Lab Sample ID: 880-52663-6 MSD  
 Matrix: Solid  
 Analysis Batch: 99184

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	100	F1	249	386.1	F1	mg/Kg		115	90 - 110	0	20

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

#### GC VOA

##### Prep Batch: 98785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-98785/5-A	Method Blank	Total/NA	Solid	5035	

##### Analysis Batch: 98922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52663-1	S-1 (0-1')	Total/NA	Solid	8021B	98969
880-52663-2	S-1 (1.5')	Total/NA	Solid	8021B	98969
880-52663-3	S-1 (2.0')	Total/NA	Solid	8021B	98969
880-52663-4	S-1 (3.0')	Total/NA	Solid	8021B	98969
880-52663-5	S-2 (0.1')	Total/NA	Solid	8021B	98969
880-52663-6	S-2 (1.5')	Total/NA	Solid	8021B	98969
880-52663-7	S-2 (2.0')	Total/NA	Solid	8021B	98969
880-52663-8	S-2 (3.0')	Total/NA	Solid	8021B	98969
880-52663-9	S-3 (0.1')	Total/NA	Solid	8021B	98969
880-52663-10	S-3 (1.5')	Total/NA	Solid	8021B	98969
880-52663-11	S-3 (2.0')	Total/NA	Solid	8021B	98969
880-52663-12	S-3 (3.0')	Total/NA	Solid	8021B	98969
MB 880-98785/5-A	Method Blank	Total/NA	Solid	8021B	98785
MB 880-98969/5-A	Method Blank	Total/NA	Solid	8021B	98969
LCS 880-98969/1-A	Lab Control Sample	Total/NA	Solid	8021B	98969
LCSD 880-98969/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98969
880-52663-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	98969
880-52663-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	98969

##### Prep Batch: 98969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52663-1	S-1 (0-1')	Total/NA	Solid	5035	
880-52663-2	S-1 (1.5')	Total/NA	Solid	5035	
880-52663-3	S-1 (2.0')	Total/NA	Solid	5035	
880-52663-4	S-1 (3.0')	Total/NA	Solid	5035	
880-52663-5	S-2 (0.1')	Total/NA	Solid	5035	
880-52663-6	S-2 (1.5')	Total/NA	Solid	5035	
880-52663-7	S-2 (2.0')	Total/NA	Solid	5035	
880-52663-8	S-2 (3.0')	Total/NA	Solid	5035	
880-52663-9	S-3 (0.1')	Total/NA	Solid	5035	
880-52663-10	S-3 (1.5')	Total/NA	Solid	5035	
880-52663-11	S-3 (2.0')	Total/NA	Solid	5035	
880-52663-12	S-3 (3.0')	Total/NA	Solid	5035	
MB 880-98969/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98969/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98969/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52663-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-52663-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

##### Analysis Batch: 99117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52663-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-52663-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-52663-3	S-1 (2.0')	Total/NA	Solid	Total BTEX	
880-52663-4	S-1 (3.0')	Total/NA	Solid	Total BTEX	
880-52663-5	S-2 (0.1')	Total/NA	Solid	Total BTEX	
880-52663-6	S-2 (1.5')	Total/NA	Solid	Total BTEX	

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## QC Association Summary

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

## GC VOA (Continued)

## Analysis Batch: 99117 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52663-7	S-2 (2.0')	Total/NA	Solid	Total BTEX	
880-52663-8	S-2 (3.0')	Total/NA	Solid	Total BTEX	
880-52663-9	S-3 (0.1')	Total/NA	Solid	Total BTEX	
880-52663-10	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-52663-11	S-3 (2.0')	Total/NA	Solid	Total BTEX	
880-52663-12	S-3 (3.0')	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 98967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52663-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-52663-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-52663-3	S-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-52663-4	S-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-52663-5	S-2 (0.1')	Total/NA	Solid	8015NM Prep	
880-52663-6	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-52663-7	S-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-52663-8	S-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-52663-9	S-3 (0.1')	Total/NA	Solid	8015NM Prep	
880-52663-10	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-52663-11	S-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-52663-12	S-3 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-98967/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98967/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98967/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52662-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52662-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 99300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52663-1	S-1 (0-1')	Total/NA	Solid	8015B NM	98967
880-52663-2	S-1 (1.5')	Total/NA	Solid	8015B NM	98967
880-52663-3	S-1 (2.0')	Total/NA	Solid	8015B NM	98967
880-52663-4	S-1 (3.0')	Total/NA	Solid	8015B NM	98967
880-52663-5	S-2 (0.1')	Total/NA	Solid	8015B NM	98967
880-52663-6	S-2 (1.5')	Total/NA	Solid	8015B NM	98967
880-52663-7	S-2 (2.0')	Total/NA	Solid	8015B NM	98967
880-52663-8	S-2 (3.0')	Total/NA	Solid	8015B NM	98967
880-52663-9	S-3 (0.1')	Total/NA	Solid	8015B NM	98967
880-52663-10	S-3 (1.5')	Total/NA	Solid	8015B NM	98967
880-52663-11	S-3 (2.0')	Total/NA	Solid	8015B NM	98967
880-52663-12	S-3 (3.0')	Total/NA	Solid	8015B NM	98967
MB 880-98967/1-A	Method Blank	Total/NA	Solid	8015B NM	98967
LCS 880-98967/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98967
LCSD 880-98967/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98967
880-52662-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	98967
880-52662-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	98967

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
SDG: 2611

## GC Semi VOA

## Analysis Batch: 99431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52663-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-52663-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-52663-3	S-1 (2.0')	Total/NA	Solid	8015 NM	
880-52663-4	S-1 (3.0')	Total/NA	Solid	8015 NM	
880-52663-5	S-2 (0.1')	Total/NA	Solid	8015 NM	
880-52663-6	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-52663-7	S-2 (2.0')	Total/NA	Solid	8015 NM	
880-52663-8	S-2 (3.0')	Total/NA	Solid	8015 NM	
880-52663-9	S-3 (0.1')	Total/NA	Solid	8015 NM	
880-52663-10	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-52663-11	S-3 (2.0')	Total/NA	Solid	8015 NM	
880-52663-12	S-3 (3.0')	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 99156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52663-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-52663-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-52663-3	S-1 (2.0')	Soluble	Solid	DI Leach	
880-52663-4	S-1 (3.0')	Soluble	Solid	DI Leach	
880-52663-5	S-2 (0.1')	Soluble	Solid	DI Leach	
880-52663-6	S-2 (1.5')	Soluble	Solid	DI Leach	
880-52663-7	S-2 (2.0')	Soluble	Solid	DI Leach	
880-52663-8	S-2 (3.0')	Soluble	Solid	DI Leach	
880-52663-9	S-3 (0.1')	Soluble	Solid	DI Leach	
880-52663-10	S-3 (1.5')	Soluble	Solid	DI Leach	
880-52663-11	S-3 (2.0')	Soluble	Solid	DI Leach	
880-52663-12	S-3 (3.0')	Soluble	Solid	DI Leach	
MB 880-99156/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-99156/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-99156/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52663-6 MS	S-2 (1.5')	Soluble	Solid	DI Leach	
880-52663-6 MSD	S-2 (1.5')	Soluble	Solid	DI Leach	

## Analysis Batch: 99184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52663-1	S-1 (0-1')	Soluble	Solid	300.0	99156
880-52663-2	S-1 (1.5')	Soluble	Solid	300.0	99156
880-52663-3	S-1 (2.0')	Soluble	Solid	300.0	99156
880-52663-4	S-1 (3.0')	Soluble	Solid	300.0	99156
880-52663-5	S-2 (0.1')	Soluble	Solid	300.0	99156
880-52663-6	S-2 (1.5')	Soluble	Solid	300.0	99156
880-52663-7	S-2 (2.0')	Soluble	Solid	300.0	99156
880-52663-8	S-2 (3.0')	Soluble	Solid	300.0	99156
880-52663-9	S-3 (0.1')	Soluble	Solid	300.0	99156
880-52663-10	S-3 (1.5')	Soluble	Solid	300.0	99156
880-52663-11	S-3 (2.0')	Soluble	Solid	300.0	99156
880-52663-12	S-3 (3.0')	Soluble	Solid	300.0	99156
MB 880-99156/1-A	Method Blank	Soluble	Solid	300.0	99156
LCS 880-99156/2-A	Lab Control Sample	Soluble	Solid	300.0	99156

Eurofins Midland

### QC Association Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
SDG: 2611

#### HPLC/IC (Continued)

#### Analysis Batch: 99184 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-99156/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	99156
880-52663-6 MS	S-2 (1.5')	Soluble	Solid	300.0	99156
880-52663-6 MSD	S-2 (1.5')	Soluble	Solid	300.0	99156

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

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

**Lab Sample ID: 880-52663-1**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 01:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99117	12/28/24 01:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			99431	01/02/25 22:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/02/25 22:14	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 16:46	SMC	EET MID

**Client Sample ID: S-1 (1.5')**

**Lab Sample ID: 880-52663-2**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 01:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99117	12/28/24 01:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			99431	01/02/25 22:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/02/25 22:30	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 16:52	SMC	EET MID

**Client Sample ID: S-1 (2.0')**

**Lab Sample ID: 880-52663-3**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 01:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99117	12/28/24 01:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			99431	01/02/25 22:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/02/25 22:46	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 16:57	SMC	EET MID

**Client Sample ID: S-1 (3.0')**

**Lab Sample ID: 880-52663-4**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 02:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99117	12/28/24 02:06	SM	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

**Client Sample ID: S-1 (3.0')**

**Lab Sample ID: 880-52663-4**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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			99431	01/02/25 23:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/02/25 23:02	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 17:03	SMC	EET MID

**Client Sample ID: S-2 (0.1')**

**Lab Sample ID: 880-52663-5**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 02:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99117	12/28/24 02:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			99431	01/02/25 23:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/02/25 23:17	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 17:09	SMC	EET MID

**Client Sample ID: S-2 (1.5')**

**Lab Sample ID: 880-52663-6**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 02:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99117	12/28/24 02:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			99431	01/02/25 23:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/02/25 23:34	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 17:14	SMC	EET MID

**Client Sample ID: S-2 (2.0')**

**Lab Sample ID: 880-52663-7**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 03:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99117	12/28/24 03:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			99431	01/02/25 23:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/02/25 23:49	TKC	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

**Client Sample ID: S-2 (2.0')**

**Lab Sample ID: 880-52663-7**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 17:31	SMC	EET MID

**Client Sample ID: S-2 (3.0')**

**Lab Sample ID: 880-52663-8**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 03:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99117	12/28/24 03:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			99431	01/03/25 00:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/03/25 00:21	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 17:37	SMC	EET MID

**Client Sample ID: S-3 (0.1')**

**Lab Sample ID: 880-52663-9**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 03:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99117	12/28/24 03:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			99431	01/03/25 00:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/03/25 00:37	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 17:54	SMC	EET MID

**Client Sample ID: S-3 (1.5')**

**Lab Sample ID: 880-52663-10**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 04:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99117	12/28/24 04:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			99431	01/03/25 00:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/03/25 00:53	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 18:00	SMC	EET MID

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

**Client Sample ID: S-3 (2.0')**

**Lab Sample ID: 880-52663-11**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 05:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99117	12/28/24 05:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			99431	01/03/25 01:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/03/25 01:09	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 18:05	SMC	EET MID

**Client Sample ID: S-3 (3.0')**

**Lab Sample ID: 880-52663-12**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 06:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99117	12/28/24 06:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			99431	01/03/25 01:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/03/25 01:26	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 18:11	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: Orbit Transfer Pump

Job ID: 880-52663-1  
SDG: 2611

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

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### Method Summary

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52663-1  
 SDG: 2611

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: Orbit Transfer Pump

Job ID: 880-52663-1  
SDG: 2611

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52663-1	S-1 (0-1')	Solid	12/23/24 00:00	12/27/24 09:56
880-52663-2	S-1 (1.5')	Solid	12/23/24 00:00	12/27/24 09:56
880-52663-3	S-1 (2.0')	Solid	12/23/24 00:00	12/27/24 09:56
880-52663-4	S-1 (3.0')	Solid	12/23/24 00:00	12/27/24 09:56
880-52663-5	S-2 (0.1')	Solid	12/23/24 00:00	12/27/24 09:56
880-52663-6	S-2 (1.5')	Solid	12/23/24 00:00	12/27/24 09:56
880-52663-7	S-2 (2.0')	Solid	12/23/24 00:00	12/27/24 09:56
880-52663-8	S-2 (3.0')	Solid	12/23/24 00:00	12/27/24 09:56
880-52663-9	S-3 (0.1')	Solid	12/23/24 00:00	12/27/24 09:56
880-52663-10	S-3 (1.5')	Solid	12/23/24 00:00	12/27/24 09:56
880-52663-11	S-3 (2.0')	Solid	12/23/24 00:00	12/27/24 09:56
880-52663-12	S-3 (3.0')	Solid	12/23/24 00:00	12/27/24 09:56

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Chain of Custody

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Page 1 of 2

Project Manager: Devin Dominguez  
 Company Name: Carmona Resources  
 Address: 310 W Wall St Ste 500  
 City, State ZIP: Midland, TX 79701  
 Phone: 432-701-5475  
 Email: [mcarmona@carmonaresources.com](mailto:mcarmona@carmonaresources.com)

Bill to: (if different)  
 Company Name: Carmona Resources  
 Address:  
 City, State ZIP:

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

Project Name: Orbit Transfer Pump  
 Project Number: 2611  
 Project Location: Eddy County, New Mexico  
 Sampler's Name: JDC  
 PO #:  
 Turn Around:  Routine  Rush  
 Due Date: Standard  
 Parameters: Pres. Code

**SAMPLE RECEIPT**  
 Received Intact: Yes  No   
 Cooler Custody Seals: Yes  No   
 Sample Custody Seals: Yes  No   
 Total Containers: Corrected Temperature: 47

Temp Blank: Yes  No   
 Thermometer ID: FB-8  
 Correction Factor: 0.1  
 Temperature Reading: 42  
 Well Ice: Yes  No   
 Corrected Temperature: 47

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	
S-1 (0-1')	12/23/2024		X		G	1	X	X	X									None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SACP
S-1 (1.5')	12/23/2024		X		G	1	X	X	X									
S-1 (2.0')	12/23/2024		X		G	1	X	X	X									
S-1 (3.0')	12/23/2024		X		G	1	X	X	X									
S-2 (0.1')	12/23/2024		X		G	1	X	X	X									
S-2 (1.5')	12/23/2024		X		G	1	X	X	X									
S-2 (2.0')	12/23/2024		X		G	1	X	X	X									
S-2 (3.0')	12/23/2024		X		G	1	X	X	X									
S-3 (0.1')	12/23/2024		X		G	1	X	X	X									
S-3 (1.5')	12/23/2024		X		G	1	X	X	X									

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

Relinquished by: (Signature) *[Signature]* Date/Time: 12/27/24 09:56  
 Received by: (Signature) *[Signature]* Date/Time: 12/27/24 09:56



### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-52663-1

SDG Number: 2611

**Login Number: 52663**

**List Number: 1**

**Creator: Lee, Randell**

**List Source: Eurofins Midland**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Devin Dominguez  
 Carmona Resources  
 310 W Wall St  
 Ste 500  
 Midland, Texas 79701

Generated 1/3/2025 1:04:22 PM

## JOB DESCRIPTION

Orbit Transfer Pump  
 2611

## JOB NUMBER

880-52662-1

Eurofins Midland  
 1211 W. Florida Ave  
 Midland TX 79701



# Eurofins Midland

## Job Notes

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

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

## Authorization



Generated  
1/3/2025 1:04:22 PM

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

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Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Laboratory Job ID: 880-52662-1  
SDG: 2611

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
SDG: 2611

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

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

## Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: Orbit Transfer Pump

Job ID: 880-52662-1

**Job ID: 880-52662-1**

**Eurofins Midland**

### Job Narrative 880-52662-1

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

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

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

#### Receipt

The samples were received on 12/27/2024 9:56 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C.

#### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-98971 and analytical batch 880-99258 was outside control limits. Sample non-homogeneity is suspected.

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

#### Diesel Range Organics

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: H-1 (0-0.5') (880-52662-1). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-98967 and analytical batch 880-99300 was outside the upper control limits.

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-98967/2-A) and (LCSD 880-98967/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-98967 and analytical batch 880-99300 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

#### HPLC/IC

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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Orbit Transfer PumpJob ID: 880-52662-1  
SDG: 2611

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

Lab Sample ID: 880-52662-1

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

## 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		12/27/24 14:35	01/02/25 12:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:35	01/02/25 12:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:35	01/02/25 12:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/24 14:35	01/02/25 12:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:35	01/02/25 12:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/24 14:35	01/02/25 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/27/24 14:35	01/02/25 12:41	1
1,4-Difluorobenzene (Surr)	90		70 - 130	12/27/24 14:35	01/02/25 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/02/25 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/27/24 23:20	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		12/27/24 14:21	12/27/24 23:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/27/24 14:21	12/27/24 23:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/27/24 14:21	12/27/24 23:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	12/27/24 14:21	12/27/24 23:20	1
o-Terphenyl	68	S1-	70 - 130	12/27/24 14:21	12/27/24 23:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	394		9.98		mg/Kg			12/31/24 16:12	1

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

Lab Sample ID: 880-52662-2

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

## 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		12/27/24 14:35	01/02/25 13:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:35	01/02/25 13:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:35	01/02/25 13:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/27/24 14:35	01/02/25 13:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/27/24 14:35	01/02/25 13:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/27/24 14:35	01/02/25 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/27/24 14:35	01/02/25 13:02	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/27/24 14:35	01/02/25 13:02	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
 SDG: 2611

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

**Lab Sample ID: 880-52662-2**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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			01/02/25 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/02/25 20:54	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		12/27/24 14:25	01/02/25 20:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		12/27/24 14:25	01/02/25 20:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:25	01/02/25 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	12/27/24 14:25	01/02/25 20:54	1
o-Terphenyl	112		70 - 130	12/27/24 14:25	01/02/25 20:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		10.0		mg/Kg			12/31/24 16:17	1

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

**Lab Sample ID: 880-52662-3**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:35	01/02/25 13:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 13:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 13:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/27/24 14:35	01/02/25 13:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 13:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/27/24 14:35	01/02/25 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/27/24 14:35	01/02/25 13:22	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/27/24 14:35	01/02/25 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/02/25 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/02/25 21:42	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		12/27/24 14:25	01/02/25 21:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		12/27/24 14:25	01/02/25 21:42	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
 SDG: 2611

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

**Lab Sample ID: 880-52662-3**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:25	01/02/25 21:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				12/27/24 14:25	01/02/25 21:42	1
o-Terphenyl	109		70 - 130				12/27/24 14:25	01/02/25 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.7		9.90		mg/Kg			12/31/24 16:23	1

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

**Lab Sample ID: 880-52662-4**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:35	01/02/25 13:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:35	01/02/25 13:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:35	01/02/25 13:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/24 14:35	01/02/25 13:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/24 14:35	01/02/25 13:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/24 14:35	01/02/25 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				12/27/24 14:35	01/02/25 13:43	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/27/24 14:35	01/02/25 13:43	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			01/02/25 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/02/25 21:58	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	<49.7	U	49.7		mg/Kg		12/27/24 14:25	01/02/25 21:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		12/27/24 14:25	01/02/25 21:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/27/24 14:25	01/02/25 21:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/27/24 14:25	01/02/25 21:58	1
o-Terphenyl	112		70 - 130				12/27/24 14:25	01/02/25 21:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		9.98		mg/Kg			12/31/24 16:29	1

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
SDG: 2611

## 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)
880-52601-A-1-D MS	Matrix Spike	104	110
880-52601-A-1-E MSD	Matrix Spike Duplicate	91	99
880-52662-1	H-1 (0-0.5')	123	90
880-52662-2	H-2 (0-0.5')	111	95
880-52662-3	H-3 (0-0.5')	105	97
880-52662-4	H-4 (0-0.5')	102	100
LCS 880-98971/1-A	Lab Control Sample	100	100
LCSD 880-98971/2-A	Lab Control Sample Dup	113	99
MB 880-98971/5-A	Method Blank	96	93

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-52655-A-1-H MS	Matrix Spike	76	72
880-52655-A-1-I MSD	Matrix Spike Duplicate	77	72
880-52662-1	H-1 (0-0.5')	67 S1-	68 S1-
880-52662-2	H-2 (0-0.5')	108	112
880-52662-2 MS	H-2 (0-0.5')	104	113
880-52662-2 MSD	H-2 (0-0.5')	104	113
880-52662-3	H-3 (0-0.5')	106	109
880-52662-4	H-4 (0-0.5')	109	112
LCS 880-98966/2-A	Lab Control Sample	122	107
LCS 880-98967/2-A	Lab Control Sample	135 S1+	147 S1+
LCSD 880-98966/3-A	Lab Control Sample Dup	112	99
LCSD 880-98967/3-A	Lab Control Sample Dup	140 S1+	150 S1+
MB 880-98966/1-A	Method Blank	84	81
MB 880-98967/1-A	Method Blank	132 S1+	136 S1+

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
 SDG: 2611

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

Lab Sample ID: MB 880-98971/5-A  
 Matrix: Solid  
 Analysis Batch: 99258

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 98971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:35	01/02/25 11:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/24 14:35	01/02/25 11:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	12/27/24 14:35	01/02/25 11:38	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/27/24 14:35	01/02/25 11:38	1

Lab Sample ID: LCS 880-98971/1-A  
 Matrix: Solid  
 Analysis Batch: 99258

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 98971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09628		mg/Kg		96	70 - 130
Toluene	0.100	0.09228		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08776		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1700		mg/Kg		85	70 - 130
o-Xylene	0.100	0.09339		mg/Kg		93	70 - 130

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

Lab Sample ID: LCSD 880-98971/2-A  
 Matrix: Solid  
 Analysis Batch: 99258

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 98971

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1108		mg/Kg		111	70 - 130	14	35
Toluene	0.100	0.1158		mg/Kg		116	70 - 130	23	35
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130	25	35
m-Xylene & p-Xylene	0.200	0.2180		mg/Kg		109	70 - 130	25	35
o-Xylene	0.100	0.1188		mg/Kg		119	70 - 130	24	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-52601-A-1-D MS  
 Matrix: Solid  
 Analysis Batch: 99258

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 98971

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2	0.0996	0.1153		mg/Kg		116	70 - 130
Toluene	<0.00200	U	0.0996	0.09901		mg/Kg		99	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
 SDG: 2611

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

Lab Sample ID: 880-52601-A-1-D MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 99258

Prep Batch: 98971

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.0996	0.1103		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	<0.00399	U F2	0.199	0.2499		mg/Kg		125	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08876		mg/Kg		89	70 - 130

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

Lab Sample ID: 880-52601-A-1-E MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 99258

Prep Batch: 98971

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U F2	0.101	0.1072		mg/Kg		106	70 - 130	7	35
Toluene	<0.00200	U	0.101	0.09849		mg/Kg		98	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.101	0.08720		mg/Kg		87	70 - 130	23	35
m-Xylene & p-Xylene	<0.00399	U F2	0.202	0.1604	F2	mg/Kg		80	70 - 130	44	35
o-Xylene	<0.00200	U	0.101	0.08525		mg/Kg		85	70 - 130	4	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-98966/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 98974

Prep Batch: 98966

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		12/27/24 09:00	12/27/24 09:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 09:00	12/27/24 09:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 09:00	12/27/24 09:48	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	84		70 - 130	12/27/24 09:00	12/27/24 09:48	1
o-Terphenyl	81		70 - 130	12/27/24 09:00	12/27/24 09:48	1

Lab Sample ID: LCS 880-98966/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 98974

Prep Batch: 98966

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1077		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1026		mg/Kg		103	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
 SDG: 2611

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

**Lab Sample ID: LCS 880-98966/2-A**  
**Matrix: Solid**  
**Analysis Batch: 98974**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 98966**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	122		70 - 130
o-Terphenyl	107		70 - 130

**Lab Sample ID: LCSD 880-98966/3-A**  
**Matrix: Solid**  
**Analysis Batch: 98974**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 98966**

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	997.4		mg/Kg		100	70 - 130	8	20	
Diesel Range Organics (Over C10-C28)	1000	933.2		mg/Kg		93	70 - 130	9	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	112		70 - 130
o-Terphenyl	99		70 - 130

**Lab Sample ID: 880-52655-A-1-H MS**  
**Matrix: Solid**  
**Analysis Batch: 98974**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 98966**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	748.1		mg/Kg		75	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	996	727.7		mg/Kg		70	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	76		70 - 130
o-Terphenyl	72		70 - 130

**Lab Sample ID: 880-52655-A-1-I MSD**  
**Matrix: Solid**  
**Analysis Batch: 98974**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 98966**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	780.9		mg/Kg		78	70 - 130	4
Diesel Range Organics (Over C10-C28)	<50.0	U	996	762.1		mg/Kg		73	70 - 130	5

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	77		70 - 130
o-Terphenyl	72		70 - 130

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
 SDG: 2611

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

Lab Sample ID: MB 880-98967/1-A  
 Matrix: Solid  
 Analysis Batch: 99300

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 98967

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		12/27/24 14:25	01/02/25 20:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 14:25	01/02/25 20:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:25	01/02/25 20:05	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	132	S1+	70 - 130	12/27/24 14:25	01/02/25 20:05	1
o-Terphenyl	136	S1+	70 - 130	12/27/24 14:25	01/02/25 20:05	1

Lab Sample ID: LCS 880-98967/2-A  
 Matrix: Solid  
 Analysis Batch: 99300

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 98967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1397	*+	mg/Kg		140	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	135	S1+	70 - 130
o-Terphenyl	147	S1+	70 - 130

Lab Sample ID: LCSD 880-98967/3-A  
 Matrix: Solid  
 Analysis Batch: 99300

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 98967

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1287		mg/Kg		129	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1411	*+	mg/Kg		141	70 - 130	1	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	150	S1+	70 - 130

Lab Sample ID: 880-52662-2 MS  
 Matrix: Solid  
 Analysis Batch: 99300

Client Sample ID: H-2 (0-0.5')  
 Prep Type: Total/NA  
 Prep Batch: 98967

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<50.0	U *+	995	850.2		mg/Kg		85	70 - 130

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
 SDG: 2611

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

Lab Sample ID: 880-52662-2 MS  
 Matrix: Solid  
 Analysis Batch: 99300

Client Sample ID: H-2 (0-0.5')  
 Prep Type: Total/NA  
 Prep Batch: 98967

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 880-52662-2 MSD  
 Matrix: Solid  
 Analysis Batch: 99300

Client Sample ID: H-2 (0-0.5')  
 Prep Type: Total/NA  
 Prep Batch: 98967

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	746.4		mg/Kg		75	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<50.0	U **	995	852.3		mg/Kg		86	70 - 130	0	20	

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	113		70 - 130

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

Lab Sample ID: MB 880-99156/1-A  
 Matrix: Solid  
 Analysis Batch: 99184

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/31/24 15:38	1

Lab Sample ID: LCS 880-99156/2-A  
 Matrix: Solid  
 Analysis Batch: 99184

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.9		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-99156/3-A  
 Matrix: Solid  
 Analysis Batch: 99184

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chloride	250	263.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-52661-A-1-D MS  
 Matrix: Solid  
 Analysis Batch: 99184

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	111		249	338.1		mg/Kg		91	90 - 110

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### QC Sample Results

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
SDG: 2611

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-52661-A-1-E MSD  
Matrix: Solid  
Analysis Batch: 99184

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	111		249	338.2		mg/Kg		91	90 - 110	0	20

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

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
 SDG: 2611

#### GC VOA

##### Prep Batch: 98971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52662-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-52662-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-52662-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-52662-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-98971/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98971/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98971/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52601-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-52601-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

##### Analysis Batch: 99258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52662-1	H-1 (0-0.5')	Total/NA	Solid	8021B	98971
880-52662-2	H-2 (0-0.5')	Total/NA	Solid	8021B	98971
880-52662-3	H-3 (0-0.5')	Total/NA	Solid	8021B	98971
880-52662-4	H-4 (0-0.5')	Total/NA	Solid	8021B	98971
MB 880-98971/5-A	Method Blank	Total/NA	Solid	8021B	98971
LCS 880-98971/1-A	Lab Control Sample	Total/NA	Solid	8021B	98971
LCSD 880-98971/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98971
880-52601-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	98971
880-52601-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98971

##### Analysis Batch: 99332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52662-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-52662-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-52662-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-52662-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

#### GC Semi VOA

##### Prep Batch: 98966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52662-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-98966/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98966/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98966/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52655-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52655-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

##### Prep Batch: 98967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52662-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-52662-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-52662-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-98967/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98967/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98967/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52662-2 MS	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-52662-2 MSD	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
 SDG: 2611

## GC Semi VOA

## Analysis Batch: 98974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52662-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	98966
MB 880-98966/1-A	Method Blank	Total/NA	Solid	8015B NM	98966
LCS 880-98966/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98966
LCSD 880-98966/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98966
880-52655-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	98966
880-52655-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	98966

## Analysis Batch: 99082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52662-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-52662-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-52662-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-52662-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

## Analysis Batch: 99300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52662-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	98967
880-52662-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	98967
880-52662-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	98967
MB 880-98967/1-A	Method Blank	Total/NA	Solid	8015B NM	98967
LCS 880-98967/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98967
LCSD 880-98967/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98967
880-52662-2 MS	H-2 (0-0.5')	Total/NA	Solid	8015B NM	98967
880-52662-2 MSD	H-2 (0-0.5')	Total/NA	Solid	8015B NM	98967

## HPLC/IC

## Leach Batch: 99156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52662-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-52662-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-52662-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-52662-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-99156/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-99156/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-99156/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52661-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52661-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Analysis Batch: 99184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52662-1	H-1 (0-0.5')	Soluble	Solid	300.0	99156
880-52662-2	H-2 (0-0.5')	Soluble	Solid	300.0	99156
880-52662-3	H-3 (0-0.5')	Soluble	Solid	300.0	99156
880-52662-4	H-4 (0-0.5')	Soluble	Solid	300.0	99156
MB 880-99156/1-A	Method Blank	Soluble	Solid	300.0	99156
LCS 880-99156/2-A	Lab Control Sample	Soluble	Solid	300.0	99156
LCSD 880-99156/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	99156
880-52661-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	99156
880-52661-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	99156

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
 SDG: 2611

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

**Lab Sample ID: 880-52662-1**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98971	12/27/24 14:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 12:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99332	01/02/25 12:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			99082	12/27/24 23:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	98966	12/27/24 14:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98974	12/27/24 23:20	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 16:12	SMC	EET MID

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

**Lab Sample ID: 880-52662-2**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98971	12/27/24 14:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 13:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99332	01/02/25 13:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			99082	01/02/25 20:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/02/25 20:54	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 16:17	SMC	EET MID

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

**Lab Sample ID: 880-52662-3**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98971	12/27/24 14:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 13:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99332	01/02/25 13:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			99082	01/02/25 21:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/02/25 21:42	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 16:23	SMC	EET MID

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

**Lab Sample ID: 880-52662-4**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98971	12/27/24 14:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	99258	01/02/25 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99332	01/02/25 13:43	SM	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
 SDG: 2611

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

**Lab Sample ID: 880-52662-4**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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			99082	01/02/25 21:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	98967	12/27/24 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99300	01/02/25 21:58	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 16:29	SMC	EET MID

**Laboratory References:**

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

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### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
SDG: 2611

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

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### Method Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-52662-1  
SDG: 2611

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: Orbit Transfer Pump

Job ID: 880-52662-1  
SDG: 2611

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52662-1	H-1 (0-0.5')	Solid	12/23/24 00:00	12/27/24 09:56
880-52662-2	H-2 (0-0.5')	Solid	12/23/24 00:00	12/27/24 09:56
880-52662-3	H-3 (0-0.5')	Solid	12/23/24 00:00	12/27/24 09:56
880-52662-4	H-4 (0-0.5')	Solid	12/23/24 00:00	12/27/24 09:56

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### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-52662-1

SDG Number: 2611

Login Number: 52662

List Number: 1

Creator: Lee, Randell

List Source: Eurofins Midland

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Devin Dominguez  
 Carmona Resources  
 310 W Wall St  
 Ste 500  
 Midland, Texas 79701

Generated 1/2/2025 12:24:20 PM

## JOB DESCRIPTION

Orbit Transfer Pump  
 2611

## JOB NUMBER

880-52661-1

Eurofins Midland  
 1211 W. Florida Ave  
 Midland TX 79701



# Eurofins Midland

## Job Notes

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

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

## Authorization



Generated  
1/2/2025 12:24:20 PM

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

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Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Laboratory Job ID: 880-52661-1  
SDG: 2611

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-52661-1  
SDG: 2611

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

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

## Glossary

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

# Case Narrative

Client: Carmona Resources  
Project: Orbit Transfer Pump

Job ID: 880-52661-1

**Job ID: 880-52661-1**

**Eurofins Midland**

## Job Narrative 880-52661-1

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

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

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

### Receipt

The sample was received on 12/27/2024 9:56 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C.

### GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-98785 and 880-98969 and analytical batch 880-98922 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-98922 recovered under the lower control limit for Ethylbenzene and m-Xylene & p-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

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

### Diesel Range Organics

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

### HPLC/IC

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

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52661-1  
 SDG: 2611

**Client Sample ID: Background**

**Lab Sample ID: 880-52661-1**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

**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		12/27/24 14:31	12/28/24 09:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 09:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 09:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 14:31	12/28/24 09:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 09:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/24 14:31	12/28/24 09:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/27/24 14:31	12/28/24 09:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/27/24 14:31	12/28/24 09:02	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			12/28/24 09:02	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			12/27/24 23:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 14:21	12/27/24 23:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 14:21	12/27/24 23:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 14:21	12/27/24 23:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	12/27/24 14:21	12/27/24 23:06	1
o-Terphenyl	74		70 - 130	12/27/24 14:21	12/27/24 23:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		9.96		mg/Kg			12/31/24 15:55	1

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-52661-1  
SDG: 2611

## 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)
880-52661-1	Background	115	100
880-52663-A-1-B MS	Matrix Spike	130	98
880-52663-A-1-C MSD	Matrix Spike Duplicate	112	103
LCS 880-98969/1-A	Lab Control Sample	116	89
LCSD 880-98969/2-A	Lab Control Sample Dup	108	105
MB 880-98785/5-A	Method Blank	153 S1+	83
MB 880-98969/5-A	Method Blank	227 S1+	123

**Surrogate Legend**

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-52655-A-1-H MS	Matrix Spike	76	72
880-52655-A-1-I MSD	Matrix Spike Duplicate	77	72
880-52661-1	Background	75	74
LCS 880-98966/2-A	Lab Control Sample	122	107
LCSD 880-98966/3-A	Lab Control Sample Dup	112	99
MB 880-98966/1-A	Method Blank	84	81

**Surrogate Legend**

1CO = 1-Chlorooctane  
OTPH = o-Terphenyl

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52661-1  
 SDG: 2611

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

Lab Sample ID: MB 880-98785/5-A  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 98785

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/26/24 09:36	12/27/24 13:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/26/24 09:36	12/27/24 13:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	12/26/24 09:36	12/27/24 13:00	1
1,4-Difluorobenzene (Surr)	83		70 - 130	12/26/24 09:36	12/27/24 13:00	1

Lab Sample ID: MB 880-98969/5-A  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 98969

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/24 14:31	12/28/24 00:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/24 14:31	12/28/24 00:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	227	S1+	70 - 130	12/27/24 14:31	12/28/24 00:36	1
1,4-Difluorobenzene (Surr)	123		70 - 130	12/27/24 14:31	12/28/24 00:36	1

Lab Sample ID: LCS 880-98969/1-A  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 98969

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1005		mg/Kg		101	70 - 130
Toluene	0.100	0.1016		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2269		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1185		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-98969/2-A  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 98969

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1078		mg/Kg		108	70 - 130	7	35

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52661-1  
 SDG: 2611

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

Lab Sample ID: LCSD 880-98969/2-A  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 98969

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1031		mg/Kg		103	70 - 130	1	35
Ethylbenzene	0.100	0.09733		mg/Kg		97	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2192		mg/Kg		110	70 - 130	3	35
o-Xylene	0.100	0.1161		mg/Kg		116	70 - 130	2	35
<b>LCSD LCSD</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	108		70 - 130						
1,4-Difluorobenzene (Surr)	105		70 - 130						

Lab Sample ID: 880-52663-A-1-B MS  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 98969

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.09767		mg/Kg		98	70 - 130
Toluene	<0.00199	U	0.0996	0.08745		mg/Kg		88	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.08207		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.00818		0.199	0.2184		mg/Kg		106	70 - 130
o-Xylene	0.00492		0.0996	0.1214		mg/Kg		117	70 - 130
<b>MS MS</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	130		70 - 130						
1,4-Difluorobenzene (Surr)	98		70 - 130						

Lab Sample ID: 880-52663-A-1-C MSD  
 Matrix: Solid  
 Analysis Batch: 98922

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 98969

Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112		70 - 130						
1,4-Difluorobenzene (Surr)	103		70 - 130						

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

Lab Sample ID: MB 880-98966/1-A  
 Matrix: Solid  
 Analysis Batch: 98974

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 98966

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		12/27/24 09:00	12/27/24 09:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 09:00	12/27/24 09:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 09:00	12/27/24 09:48	1
<b>MB MB</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>		<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>		
1-Chlorooctane	84		70 - 130		12/27/24 09:00	12/27/24 09:48	1		
o-Terphenyl	81		70 - 130		12/27/24 09:00	12/27/24 09:48	1		

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52661-1  
 SDG: 2611

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

**Lab Sample ID: LCS 880-98966/2-A**  
**Matrix: Solid**  
**Analysis Batch: 98974**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 98966**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1077		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1026		mg/Kg		103	70 - 130		
		<b>LCS</b>	<b>LCS</b>						
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>			<b>Limits</b>			
1-Chlorooctane		122				70 - 130			
o-Terphenyl		107				70 - 130			

**Lab Sample ID: LCSD 880-98966/3-A**  
**Matrix: Solid**  
**Analysis Batch: 98974**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 98966**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	997.4		mg/Kg		100	70 - 130		8	20
Diesel Range Organics (Over C10-C28)	1000	933.2		mg/Kg		93	70 - 130		9	20
		<b>LCSD</b>	<b>LCSD</b>							
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>			<b>Limits</b>				
1-Chlorooctane		112				70 - 130				
o-Terphenyl		99				70 - 130				

**Lab Sample ID: 880-52655-A-1-H MS**  
**Matrix: Solid**  
**Analysis Batch: 98974**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 98966**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	748.1		mg/Kg		75	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	996	727.7		mg/Kg		70	70 - 130	
		<b>MS</b>	<b>MS</b>							
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>			<b>Limits</b>				
1-Chlorooctane		76				70 - 130				
o-Terphenyl		72				70 - 130				

**Lab Sample ID: 880-52655-A-1-I MSD**  
**Matrix: Solid**  
**Analysis Batch: 98974**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 98966**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
											RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	780.9		mg/Kg		78	70 - 130		4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	762.1		mg/Kg		73	70 - 130		5	20
		<b>MSD</b>	<b>MSD</b>									
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>			<b>Limits</b>						
1-Chlorooctane		77				70 - 130						

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52661-1  
 SDG: 2611

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

Lab Sample ID: 880-52655-A-1-I MSD  
 Matrix: Solid  
 Analysis Batch: 98974

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 98966

Surrogate	%Recovery	MSD MSD Qualifier	Limits
<i>o</i> -Terphenyl	72		70 - 130

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

Lab Sample ID: MB 880-99156/1-A  
 Matrix: Solid  
 Analysis Batch: 99184

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/31/24 15:38	1

Lab Sample ID: LCS 880-99156/2-A  
 Matrix: Solid  
 Analysis Batch: 99184

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.9		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-99156/3-A  
 Matrix: Solid  
 Analysis Batch: 99184

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	263.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-52661-1 MS  
 Matrix: Solid  
 Analysis Batch: 99184

Client Sample ID: Background  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	111		249	338.1		mg/Kg		91	90 - 110

Lab Sample ID: 880-52661-1 MSD  
 Matrix: Solid  
 Analysis Batch: 99184

Client Sample ID: Background  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	111		249	338.2		mg/Kg		91	90 - 110	0	20

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52661-1  
 SDG: 2611

#### GC VOA

##### Prep Batch: 98785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-98785/5-A	Method Blank	Total/NA	Solid	5035	

##### Analysis Batch: 98922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52661-1	Background	Total/NA	Solid	8021B	98969
MB 880-98785/5-A	Method Blank	Total/NA	Solid	8021B	98785
MB 880-98969/5-A	Method Blank	Total/NA	Solid	8021B	98969
LCS 880-98969/1-A	Lab Control Sample	Total/NA	Solid	8021B	98969
LCSD 880-98969/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98969
880-52663-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	98969
880-52663-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98969

##### Prep Batch: 98969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52661-1	Background	Total/NA	Solid	5035	
MB 880-98969/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98969/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98969/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52663-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-52663-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

##### Analysis Batch: 99118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52661-1	Background	Total/NA	Solid	Total BTEX	

#### GC Semi VOA

##### Prep Batch: 98966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52661-1	Background	Total/NA	Solid	8015NM Prep	
MB 880-98966/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98966/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98966/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52655-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52655-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

##### Analysis Batch: 98974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52661-1	Background	Total/NA	Solid	8015B NM	98966
MB 880-98966/1-A	Method Blank	Total/NA	Solid	8015B NM	98966
LCS 880-98966/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98966
LCSD 880-98966/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98966
880-52655-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	98966
880-52655-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	98966

##### Analysis Batch: 99081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52661-1	Background	Total/NA	Solid	8015 NM	

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### QC Association Summary

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52661-1  
 SDG: 2611

#### HPLC/IC

##### Leach Batch: 99156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52661-1	Background	Soluble	Solid	DI Leach	
MB 880-99156/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-99156/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-99156/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-52661-1 MS	Background	Soluble	Solid	DI Leach	
880-52661-1 MSD	Background	Soluble	Solid	DI Leach	

##### Analysis Batch: 99184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52661-1	Background	Soluble	Solid	300.0	99156
MB 880-99156/1-A	Method Blank	Soluble	Solid	300.0	99156
LCS 880-99156/2-A	Lab Control Sample	Soluble	Solid	300.0	99156
LCSD 880-99156/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	99156
880-52661-1 MS	Background	Soluble	Solid	300.0	99156
880-52661-1 MSD	Background	Soluble	Solid	300.0	99156

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52661-1  
 SDG: 2611

**Client Sample ID: Background**

**Lab Sample ID: 880-52661-1**

Date Collected: 12/23/24 00:00

Matrix: Solid

Date Received: 12/27/24 09:56

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	98969	12/27/24 14:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98922	12/28/24 09:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			99118	12/28/24 09:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			99081	12/27/24 23:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98966	12/27/24 14:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98974	12/27/24 23:06	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	99156	12/31/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	99184	12/31/24 15:55	SMC	EET MID

**Laboratory References:**

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

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### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-52661-1  
SDG: 2611

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

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### Method Summary

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-52661-1  
 SDG: 2611

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: Orbit Transfer Pump

Job ID: 880-52661-1  
SDG: 2611

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52661-1	Background	Solid	12/23/24 00:00	12/27/24 09:56

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### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-52661-1

SDG Number: 2611

Login Number: 52661

List Number: 1

Creator: Lee, Randell

List Source: Eurofins Midland

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 3/31/2026 2:00:27 PM

## JOB DESCRIPTION

Orbit Transfer Pump  
 Lea County, New Mexico

## JOB NUMBER

880-70013-1

Eurofins Midland  
 1211 W. Florida Ave  
 Midland TX 79701



# Eurofins Midland

## Job Notes

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

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

## Authorization



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3/31/2026 2:00:27 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: Orbit Transfer Pump

Laboratory Job ID: 880-70013-1  
SDG: Lea County, New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
SDG: Lea County, New Mexico

## 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
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

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

## Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: Orbit Transfer Pump

Job ID: 880-70013-1

**Job ID: 880-70013-1**

**Eurofins Midland**

### Job Narrative 880-70013-1

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

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

### Receipt

The samples were received on 3/24/2026 4:55 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 -5.5°C.

### GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-135920 and analytical batch 880-136088 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-5 (4') (880-70013-5), CS-7 (4') (880-70013-7), CS-9 (4') (880-70013-9), CS-10 (4') (880-70013-10) and SW-6 (4') (880-70013-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-135920 and analytical batch 880-136088 recovered outside control limits for the following analytes: Ethylbenzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

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

### Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-6 (4') (880-70013-6), CS-7 (4') (880-70013-7) and (880-69970-A-42-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-69970-A-42-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-69970-A-42-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-1 (4') (880-70013-1), CS-2 (4') (880-70013-2), CS-3 (4') (880-70013-3), CS-4 (4') (880-70013-4), CS-5 (4') (880-70013-5), CS-8 (4') (880-70013-8) and CS-10 (4') (880-70013-10). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-135948 and analytical batch 880-136163 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 8015B NM: Surrogate recovery for the following samples were outside control limits: SW-6 (4') (880-70013-16), (LCSD 880-135948/3-A), (880-70013-A-16-D MS) and (880-70013-A-16-E MSD). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-69913-A-13-B MS) and (880-69913-A-13-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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### Case Narrative

Client: Carmona Resources  
Project: Orbit Transfer Pump

Job ID: 880-70013-1

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#### Job ID: 880-70013-1 (Continued)

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Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SW-3 (4') (880-70013-13), SW-4 (4') (880-70013-14) and SW-5 (4') (880-70013-15). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SW-1 (4') (880-70013-11) and SW-2 (4') (880-70013-12). Evidence of matrix interferences is not obvious.

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

#### HPLC/IC

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

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (4')

Lab Sample ID: 880-70013-1

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 00:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 00:55	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		03/25/26 13:15	03/28/26 00:55	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/25/26 13:15	03/28/26 00:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 00:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/26 13:15	03/28/26 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/25/26 13:15	03/28/26 00:55	1
1,4-Difluorobenzene (Surr)	94		70 - 130	03/25/26 13:15	03/28/26 00:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/28/26 00:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/28/26 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/25/26 09:26	03/28/26 15:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/25/26 09:26	03/28/26 15:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/25/26 09:26	03/28/26 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	131	S1+	70 - 130	03/25/26 09:26	03/28/26 15:29	1
o-Terphenyl (Surr)	136	S1+	70 - 130	03/25/26 09:26	03/28/26 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		9.92		mg/Kg			03/26/26 01:10	1

Client Sample ID: CS-2 (4')

Lab Sample ID: 880-70013-2

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/25/26 13:15	03/28/26 01:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/26 13:15	03/28/26 01:15	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		03/25/26 13:15	03/28/26 01:15	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/25/26 13:15	03/28/26 01:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/26 13:15	03/28/26 01:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/26 13:15	03/28/26 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	03/25/26 13:15	03/28/26 01:15	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/25/26 13:15	03/28/26 01:15	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-70013-2**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/28/26 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/28/26 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 15:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 15:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 15:44	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	133	S1+	70 - 130				03/25/26 09:26	03/28/26 15:44	1
o-Terphenyl (Surr)	149	S1+	70 - 130				03/25/26 09:26	03/28/26 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.7		9.92		mg/Kg			03/26/26 01:17	1

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

**Lab Sample ID: 880-70013-3**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/25/26 13:15	03/28/26 01:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/25/26 13:15	03/28/26 01:35	1
Ethylbenzene	<0.00202	U **	0.00202		mg/Kg		03/25/26 13:15	03/28/26 01:35	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		03/25/26 13:15	03/28/26 01:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/25/26 13:15	03/28/26 01:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/25/26 13:15	03/28/26 01:35	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)	122		70 - 130				03/25/26 13:15	03/28/26 01:35	1
1,4-Difluorobenzene (Surr)	103		70 - 130				03/25/26 13:15	03/28/26 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/28/26 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/28/26 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/25/26 09:26	03/28/26 15:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/25/26 09:26	03/28/26 15:59	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-70013-3**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/25/26 09:26	03/28/26 15:59	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	144	S1+	70 - 130				03/25/26 09:26	03/28/26 15:59	1
o-Terphenyl (Surr)	164	S1+	70 - 130				03/25/26 09:26	03/28/26 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	339		10.0		mg/Kg			03/26/26 01:36	1

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

**Lab Sample ID: 880-70013-4**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/25/26 13:15	03/28/26 01:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/26 13:15	03/28/26 01:56	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		03/25/26 13:15	03/28/26 01:56	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/25/26 13:15	03/28/26 01:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/26 13:15	03/28/26 01:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/26 13:15	03/28/26 01:56	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)	123		70 - 130				03/25/26 13:15	03/28/26 01:56	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/25/26 13:15	03/28/26 01:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/28/26 01:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/28/26 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/25/26 09:26	03/28/26 16:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/25/26 09:26	03/28/26 16:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/25/26 09:26	03/28/26 16:14	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	142	S1+	70 - 130				03/25/26 09:26	03/28/26 16:14	1
o-Terphenyl (Surr)	141	S1+	70 - 130				03/25/26 09:26	03/28/26 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.5		10.0		mg/Kg			03/26/26 01:43	1

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

**Client Sample ID: CS-5 (4')**

**Lab Sample ID: 880-70013-5**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/25/26 13:15	03/28/26 02:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/25/26 13:15	03/28/26 02:16	1
Ethylbenzene	<0.00198	U **	0.00198		mg/Kg		03/25/26 13:15	03/28/26 02:16	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		03/25/26 13:15	03/28/26 02:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/25/26 13:15	03/28/26 02:16	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/25/26 13:15	03/28/26 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	03/25/26 13:15	03/28/26 02:16	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/25/26 13:15	03/28/26 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/28/26 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/28/26 16:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 16:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 16:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	140	S1+	70 - 130	03/25/26 09:26	03/28/26 16:29	1
o-Terphenyl (Surr)	161	S1+	70 - 130	03/25/26 09:26	03/28/26 16:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		9.94		mg/Kg			03/26/26 02:03	1

**Client Sample ID: CS-6 (4')**

**Lab Sample ID: 880-70013-6**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 02:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 02:37	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		03/25/26 13:15	03/28/26 02:37	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/25/26 13:15	03/28/26 02:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 02:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/26 13:15	03/28/26 02:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	03/25/26 13:15	03/28/26 02:37	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/25/26 13:15	03/28/26 02:37	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

**Client Sample ID: CS-6 (4')**  
 Date Collected: 03/24/26 00:00  
 Date Received: 03/24/26 16:55

**Lab Sample ID: 880-70013-6**  
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/28/26 02:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/28/26 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/25/26 09:26	03/28/26 16:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/25/26 09:26	03/28/26 16:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/25/26 09:26	03/28/26 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130				03/25/26 09:26	03/28/26 16:44	1
o-Terphenyl (Surr)	131	S1+	70 - 130				03/25/26 09:26	03/28/26 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	315		9.98		mg/Kg			03/26/26 02:10	1

**Client Sample ID: CS-7 (4')**  
 Date Collected: 03/24/26 00:00  
 Date Received: 03/24/26 16:55

**Lab Sample ID: 880-70013-7**  
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/25/26 13:15	03/28/26 02:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/26 13:15	03/28/26 02:57	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		03/25/26 13:15	03/28/26 02:57	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/25/26 13:15	03/28/26 02:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/26 13:15	03/28/26 02:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/26 13:15	03/28/26 02:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				03/25/26 13:15	03/28/26 02:57	1
1,4-Difluorobenzene (Surr)	99		70 - 130				03/25/26 13:15	03/28/26 02:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/28/26 02:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/28/26 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 17:00	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

**Client Sample ID: CS-7 (4')**

**Lab Sample ID: 880-70013-7**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130				03/25/26 09:26	03/28/26 17:00	1
o-Terphenyl (Surr)	140	S1+	70 - 130				03/25/26 09:26	03/28/26 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.6		9.96		mg/Kg			03/26/26 02:16	1

**Client Sample ID: CS-8 (4')**

**Lab Sample ID: 880-70013-8**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/25/26 13:15	03/28/26 03:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/25/26 13:15	03/28/26 03:17	1
Ethylbenzene	<0.00202	U **	0.00202		mg/Kg		03/25/26 13:15	03/28/26 03:17	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		03/25/26 13:15	03/28/26 03:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/25/26 13:15	03/28/26 03:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/25/26 13:15	03/28/26 03:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				03/25/26 13:15	03/28/26 03:17	1
1,4-Difluorobenzene (Surr)	98		70 - 130				03/25/26 13:15	03/28/26 03:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/28/26 03:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/28/26 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/25/26 09:26	03/28/26 17:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/25/26 09:26	03/28/26 17:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/25/26 09:26	03/28/26 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	134	S1+	70 - 130				03/25/26 09:26	03/28/26 17:14	1
o-Terphenyl (Surr)	142	S1+	70 - 130				03/25/26 09:26	03/28/26 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		9.92		mg/Kg			03/26/26 02:23	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

**Client Sample ID: CS-9 (4')**

**Lab Sample ID: 880-70013-9**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/25/26 13:15	03/28/26 03:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/26 13:15	03/28/26 03:38	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		03/25/26 13:15	03/28/26 03:38	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/25/26 13:15	03/28/26 03:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/26 13:15	03/28/26 03:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/26 13:15	03/28/26 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	03/25/26 13:15	03/28/26 03:38	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/25/26 13:15	03/28/26 03:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/28/26 03:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/28/26 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 17:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 17:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130	03/25/26 09:26	03/28/26 17:30	1
o-Terphenyl (Surr)	126		70 - 130	03/25/26 09:26	03/28/26 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.0		9.94		mg/Kg			03/26/26 02:30	1

**Client Sample ID: CS-10 (4')**

**Lab Sample ID: 880-70013-10**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 03:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 03:58	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		03/25/26 13:15	03/28/26 03:58	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/25/26 13:15	03/28/26 03:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 03:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/26 13:15	03/28/26 03:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	03/25/26 13:15	03/28/26 03:58	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/25/26 13:15	03/28/26 03:58	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

**Client Sample ID: CS-10 (4')**

**Lab Sample ID: 880-70013-10**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/28/26 03:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/28/26 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/25/26 09:26	03/28/26 17:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/25/26 09:26	03/28/26 17:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/25/26 09:26	03/28/26 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	132	S1+	70 - 130	03/25/26 09:26	03/28/26 17:44	1
o-Terphenyl (Surr)	143	S1+	70 - 130	03/25/26 09:26	03/28/26 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	179		10.0		mg/Kg			03/26/26 02:36	1

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

**Lab Sample ID: 880-70013-11**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/25/26 13:15	03/28/26 05:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/25/26 13:15	03/28/26 05:48	1
Ethylbenzene	<0.00198	U **	0.00198		mg/Kg		03/25/26 13:15	03/28/26 05:48	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		03/25/26 13:15	03/28/26 05:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/25/26 13:15	03/28/26 05:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/25/26 13:15	03/28/26 05:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/25/26 13:15	03/28/26 05:48	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/25/26 13:15	03/28/26 05:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/28/26 05:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/29/26 00:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/23/26 14:14	03/29/26 00:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/23/26 14:14	03/29/26 00:21	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-70013-11**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 14:14	03/29/26 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130				03/23/26 14:14	03/29/26 00:21	1
o-Terphenyl (Surr)	139	S1+	70 - 130				03/23/26 14:14	03/29/26 00:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	223		10.0		mg/Kg			03/26/26 02:43	1

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

**Lab Sample ID: 880-70013-12**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/25/26 13:15	03/28/26 06:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/26 13:15	03/28/26 06:09	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		03/25/26 13:15	03/28/26 06:09	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		03/25/26 13:15	03/28/26 06:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/26 13:15	03/28/26 06:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/26 13:15	03/28/26 06:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				03/25/26 13:15	03/28/26 06:09	1
1,4-Difluorobenzene (Surr)	97		70 - 130				03/25/26 13:15	03/28/26 06:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/28/26 06:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			03/29/26 00:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		03/23/26 14:14	03/29/26 00:37	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		03/23/26 14:14	03/29/26 00:37	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		03/23/26 14:14	03/29/26 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130				03/23/26 14:14	03/29/26 00:37	1
o-Terphenyl (Surr)	145	S1+	70 - 130				03/23/26 14:14	03/29/26 00:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.7		10.1		mg/Kg			03/26/26 02:15	1

### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-70013-13**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 06:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 06:30	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		03/25/26 13:15	03/28/26 06:30	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		03/25/26 13:15	03/28/26 06:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 06:30	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/25/26 13:15	03/28/26 06:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	03/25/26 13:15	03/28/26 06:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/25/26 13:15	03/28/26 06:30	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			03/28/26 06:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/29/26 00:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/23/26 14:14	03/29/26 00:51	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/23/26 14:14	03/29/26 00:51	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/23/26 14:14	03/29/26 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	131	S1+	70 - 130	03/23/26 14:14	03/29/26 00:51	1
o-Terphenyl (Surr)	139	S1+	70 - 130	03/23/26 14:14	03/29/26 00:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.3		10.0		mg/Kg			03/26/26 02:30	1

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

**Lab Sample ID: 880-70013-14**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/25/26 13:15	03/28/26 06:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/26 13:15	03/28/26 06:50	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		03/25/26 13:15	03/28/26 06:50	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		03/25/26 13:15	03/28/26 06:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/26 13:15	03/28/26 06:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/26 13:15	03/28/26 06:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	03/25/26 13:15	03/28/26 06:50	1
1,4-Difluorobenzene (Surr)	96		70 - 130	03/25/26 13:15	03/28/26 06:50	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-70013-14**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/28/26 06:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			03/29/26 01:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		03/23/26 14:14	03/29/26 01:06	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		03/23/26 14:14	03/29/26 01:06	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		03/23/26 14:14	03/29/26 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	135	S1+	70 - 130	03/23/26 14:14	03/29/26 01:06	1
o-Terphenyl (Surr)	137	S1+	70 - 130	03/23/26 14:14	03/29/26 01:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		10.1		mg/Kg			03/26/26 02:36	1

**Client Sample ID: SW-5 (4')**

**Lab Sample ID: 880-70013-15**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/25/26 13:15	03/28/26 07:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/25/26 13:15	03/28/26 07:10	1
Ethylbenzene	<0.00198	U **	0.00198		mg/Kg		03/25/26 13:15	03/28/26 07:10	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		03/25/26 13:15	03/28/26 07:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/25/26 13:15	03/28/26 07:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/25/26 13:15	03/28/26 07:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	03/25/26 13:15	03/28/26 07:10	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/25/26 13:15	03/28/26 07:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/28/26 07:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			03/29/26 01:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		03/23/26 14:14	03/29/26 01:21	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		03/23/26 14:14	03/29/26 01:21	1

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

**Client Sample ID: SW-5 (4')**

**Lab Sample ID: 880-70013-15**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

**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)	<50.3	U	50.3		mg/Kg		03/23/26 14:14	03/29/26 01:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	154	S1+	70 - 130				03/23/26 14:14	03/29/26 01:21	1
o-Terphenyl (Surr)	176	S1+	70 - 130				03/23/26 14:14	03/29/26 01:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.6		9.96		mg/Kg			03/26/26 02:41	1

**Client Sample ID: SW-6 (4')**

**Lab Sample ID: 880-70013-16**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 07:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 07:31	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		03/25/26 13:15	03/28/26 07:31	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		03/25/26 13:15	03/28/26 07:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 07:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/26 13:15	03/28/26 07:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130				03/25/26 13:15	03/28/26 07:31	1
1,4-Difluorobenzene (Surr)	107		70 - 130				03/25/26 13:15	03/28/26 07:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/28/26 07:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/27/26 20:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	50.0		mg/Kg		03/25/26 16:06	03/27/26 20:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U F2	50.0		mg/Kg		03/25/26 16:06	03/27/26 20:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/25/26 16:06	03/27/26 20:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	147	S1+	70 - 130				03/25/26 16:06	03/27/26 20:16	1
o-Terphenyl (Surr)	160	S1+	70 - 130				03/25/26 16:06	03/27/26 20:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.3		9.98		mg/Kg			03/26/26 02:46	1

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-67890-A-18 MB	Method Blank	101	98
880-70013-1	CS-1 (4')	98	94
880-70013-1 MS	CS-1 (4')	106	120
880-70013-1 MSD	CS-1 (4')	113	122
880-70013-2	CS-2 (4')	124	101
880-70013-3	CS-3 (4')	122	103
880-70013-4	CS-4 (4')	123	101
880-70013-5	CS-5 (4')	135 S1+	95
880-70013-6	CS-6 (4')	130	99
880-70013-7	CS-7 (4')	135 S1+	99
880-70013-8	CS-8 (4')	127	98
880-70013-9	CS-9 (4')	132 S1+	97
880-70013-10	CS-10 (4')	140 S1+	99
880-70013-11	SW-1 (4')	107	91
880-70013-12	SW-2 (4')	124	97
880-70013-13	SW-3 (4')	121	97
880-70013-14	SW-4 (4')	128	96
880-70013-15	SW-5 (4')	127	103
880-70013-16	SW-6 (4')	148 S1+	107
LCS 880-135920/1-A	Lab Control Sample	112	96
LCSD 880-135920/2-A	Lab Control Sample Dup	118	95
MB 880-135920/5-A	Method Blank	302 S1+	130

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-69913-A-13-B MS	Matrix Spike	134 S1+	150 S1+
880-69913-A-13-C MSD	Matrix Spike Duplicate	167 S1+	136 S1+
880-69970-A-42-B MS	Matrix Spike	125	153 S1+
880-69970-A-42-C MSD	Matrix Spike Duplicate	155 S1+	137 S1+
880-70013-1	CS-1 (4')	131 S1+	136 S1+
880-70013-2	CS-2 (4')	133 S1+	149 S1+
880-70013-3	CS-3 (4')	144 S1+	164 S1+
880-70013-4	CS-4 (4')	142 S1+	141 S1+
880-70013-5	CS-5 (4')	140 S1+	161 S1+
880-70013-6	CS-6 (4')	125	131 S1+
880-70013-7	CS-7 (4')	125	140 S1+
880-70013-8	CS-8 (4')	134 S1+	142 S1+
880-70013-9	CS-9 (4')	128	126
880-70013-10	CS-10 (4')	132 S1+	143 S1+
880-70013-11	SW-1 (4')	122	139 S1+
880-70013-12	SW-2 (4')	130	145 S1+
880-70013-13	SW-3 (4')	131 S1+	139 S1+

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### Surrogate Summary

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-70013-14	SW-4 (4')	135 S1+	137 S1+
880-70013-15	SW-5 (4')	154 S1+	176 S1+
880-70013-16	SW-6 (4')	147 S1+	160 S1+
880-70013-16 MS	SW-6 (4')	134 S1+	130
880-70013-16 MSD	SW-6 (4')	164 S1+	155 S1+
LCS 880-135697/2-A	Lab Control Sample	99	118
LCS 880-135865/2-A	Lab Control Sample	89	118
LCS 880-135948/2-A	Lab Control Sample	112	105
LCSD 880-135697/3-A	Lab Control Sample Dup	97	120
LCSD 880-135865/3-A	Lab Control Sample Dup	92	116
LCSD 880-135948/3-A	Lab Control Sample Dup	137 S1+	125
MB 880-135697/1-A	Method Blank	91	103
MB 880-135865/1-A	Method Blank	105	103
MB 880-135948/1-A	Method Blank	112	117

**Surrogate Legend**

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

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

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-135920/5-A  
 Matrix: Solid  
 Analysis Batch: 136088

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 135920

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 00:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 00:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 00:26	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		03/25/26 13:15	03/28/26 00:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 13:15	03/28/26 00:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/26 13:15	03/28/26 00:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	302	S1+	70 - 130	03/25/26 13:15	03/28/26 00:26	1
1,4-Difluorobenzene (Surr)	130		70 - 130	03/25/26 13:15	03/28/26 00:26	1

Lab Sample ID: LCS 880-135920/1-A  
 Matrix: Solid  
 Analysis Batch: 136088

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 135920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1168		mg/Kg		117	70 - 130
Toluene	0.100	0.09615		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.1233		mg/Kg		123	70 - 130
m,p-Xylenes	0.200	0.2358		mg/Kg		118	70 - 130
o-Xylene	0.100	0.1276		mg/Kg		128	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-135920/2-A  
 Matrix: Solid  
 Analysis Batch: 136088

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 135920

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1142		mg/Kg		114	70 - 130	2	35
Toluene	0.100	0.1028		mg/Kg		103	70 - 130	7	35
Ethylbenzene	0.100	0.1323	*+	mg/Kg		132	70 - 130	7	35
m,p-Xylenes	0.200	0.2402		mg/Kg		120	70 - 130	2	35
o-Xylene	0.100	0.1294		mg/Kg		129	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-70013-1 MS  
 Matrix: Solid  
 Analysis Batch: 136088

Client Sample ID: CS-1 (4')  
 Prep Type: Total/NA  
 Prep Batch: 135920

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1030		mg/Kg		103	70 - 130
Toluene	<0.00200	U	0.100	0.08437		mg/Kg		84	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-70013-1 MS  
 Matrix: Solid  
 Analysis Batch: 136088

Client Sample ID: CS-1 (4')  
 Prep Type: Total/NA  
 Prep Batch: 135920

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U *	0.100	0.1000		mg/Kg		100	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1960		mg/Kg		98	70 - 130
o-Xylene	<0.00200	U	0.100	0.1059		mg/Kg		106	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

Lab Sample ID: 880-70013-1 MSD  
 Matrix: Solid  
 Analysis Batch: 136088

Client Sample ID: CS-1 (4')  
 Prep Type: Total/NA  
 Prep Batch: 135920

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.1088		mg/Kg		109	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.08782		mg/Kg		88	70 - 130	4	35
Ethylbenzene	<0.00200	U *	0.100	0.09894		mg/Kg		99	70 - 130	1	35
m,p-Xylenes	<0.00399	U	0.200	0.1995		mg/Kg		100	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.1089		mg/Kg		109	70 - 130	3	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: 880-67890-A-18 MB  
 Matrix: Solid  
 Analysis Batch: 136088

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg			03/27/26 18:11	1
Toluene	<0.00200	U	0.00200		mg/Kg			03/27/26 18:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			03/27/26 18:11	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg			03/27/26 18:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			03/27/26 18:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			03/27/26 18:11	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		70 - 130		03/27/26 18:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130		03/27/26 18:11	1

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

Lab Sample ID: MB 880-135697/1-A  
 Matrix: Solid  
 Analysis Batch: 136173

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 135697

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/26 14:14	03/28/26 18:30	1

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: MB 880-135697/1-A**  
**Matrix: Solid**  
**Analysis Batch: 136173**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 135697**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 14:14	03/28/26 18:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 14:14	03/28/26 18:30	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	91		70 - 130	03/23/26 14:14	03/28/26 18:30	1
o-Terphenyl (Surr)	103		70 - 130	03/23/26 14:14	03/28/26 18:30	1

**Lab Sample ID: LCS 880-135697/2-A**  
**Matrix: Solid**  
**Analysis Batch: 136173**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 135697**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1018		mg/Kg		102	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	118		70 - 130

**Lab Sample ID: LCSD 880-135697/3-A**  
**Matrix: Solid**  
**Analysis Batch: 136173**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 135697**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1032		mg/Kg		103	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	1121		mg/Kg		112	70 - 130	10	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	120		70 - 130

**Lab Sample ID: 880-69913-A-13-B MS**  
**Matrix: Solid**  
**Analysis Batch: 136173**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 135697**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1163		mg/Kg		117	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	134	S1+	70 - 130
o-Terphenyl (Surr)	150	S1+	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-69913-A-13-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 136173**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 135697**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1217		mg/Kg		122	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1047		mg/Kg		105	70 - 130	10	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	167	S1+	70 - 130								
o-Terphenyl (Surr)	136	S1+	70 - 130								

**Lab Sample ID: MB 880-135865/1-A**  
**Matrix: Solid**  
**Analysis Batch: 136173**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 135865**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 08:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 08:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/25/26 09:26	03/28/26 08:59	1
Surrogate	MB	MB					Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	105		70 - 130				03/25/26 09:26	03/28/26 08:59	1
o-Terphenyl (Surr)	103		70 - 130				03/25/26 09:26	03/28/26 08:59	1

**Lab Sample ID: LCS 880-135865/2-A**  
**Matrix: Solid**  
**Analysis Batch: 136173**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 135865**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	RPD	Limit
							Result		
Gasoline Range Organics (GRO)-C6-C10	1000	930.1		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1055		mg/Kg		105	70 - 130		
Surrogate	LCS	LCS							
	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	89		70 - 130						
o-Terphenyl (Surr)	118		70 - 130						

**Lab Sample ID: LCSD 880-135865/3-A**  
**Matrix: Solid**  
**Analysis Batch: 136173**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 135865**

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
							Result		
Gasoline Range Organics (GRO)-C6-C10	1000	965.1		mg/Kg		97	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1046		mg/Kg		105	70 - 130	1	20

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: LCSD 880-135865/3-A**  
**Matrix: Solid**  
**Analysis Batch: 136173**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 135865**

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	92		70 - 130
o-Terphenyl (Surr)	116		70 - 130

**Lab Sample ID: 880-69970-A-42-B MS**  
**Matrix: Solid**  
**Analysis Batch: 136173**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 135865**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	1020		mg/Kg		102		70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	999	1153		mg/Kg		115		70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	125		70 - 130
o-Terphenyl (Surr)	153	S1+	70 - 130

**Lab Sample ID: 880-69970-A-42-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 136173**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 135865**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	1124		mg/Kg		112		70 - 130	10	20	
Diesel Range Organics (Over C10-C28)	<50.1	U	999	1023		mg/Kg		102		70 - 130	12	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	155	S1+	70 - 130
o-Terphenyl (Surr)	137	S1+	70 - 130

**Lab Sample ID: MB 880-135948/1-A**  
**Matrix: Solid**  
**Analysis Batch: 136163**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 135948**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/25/26 16:06	03/27/26 17:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/25/26 16:06	03/27/26 17:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/25/26 16:06	03/27/26 17:33	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	112		70 - 130	03/25/26 16:06	03/27/26 17:33	1
o-Terphenyl (Surr)	117		70 - 130	03/25/26 16:06	03/27/26 17:33	1

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: LCS 880-135948/2-A**  
**Matrix: Solid**  
**Analysis Batch: 136163**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 135948**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1060		mg/Kg		106	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1175		mg/Kg		117	70 - 130	
		<b>LCS</b>	<b>LCS</b>					
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>					
1-Chlorooctane (Surr)	112		70 - 130					
o-Terphenyl (Surr)	105		70 - 130					

**Lab Sample ID: LCSD 880-135948/3-A**  
**Matrix: Solid**  
**Analysis Batch: 136163**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 135948**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1162		mg/Kg		116	70 - 130	9	20	
Diesel Range Organics (Over C10-C28)	1000	1299		mg/Kg		130	70 - 130	10	20	
		<b>LCSD</b>	<b>LCSD</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1-Chlorooctane (Surr)	137	S1+	70 - 130							
o-Terphenyl (Surr)	125		70 - 130							

**Lab Sample ID: 880-70013-16 MS**  
**Matrix: Solid**  
**Analysis Batch: 136163**

**Client Sample ID: SW-6 (4')**  
**Prep Type: Total/NA**  
**Prep Batch: 135948**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	883.1		mg/Kg		88	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U F2	999	1033		mg/Kg		101	70 - 130	
		<b>MS</b>	<b>MS</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1-Chlorooctane (Surr)	134	S1+	70 - 130							
o-Terphenyl (Surr)	130		70 - 130							

**Lab Sample ID: 880-70013-16 MSD**  
**Matrix: Solid**  
**Analysis Batch: 136163**

**Client Sample ID: SW-6 (4')**  
**Prep Type: Total/NA**  
**Prep Batch: 135948**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	1112	F2	mg/Kg		111	70 - 130	23	20	
Diesel Range Organics (Over C10-C28)	<50.0	U F2	999	1269	F2	mg/Kg		125	70 - 130	21	20	
		<b>MSD</b>	<b>MSD</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>									
1-Chlorooctane (Surr)	164	S1+	70 - 130									

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-70013-16 MSD  
 Matrix: Solid  
 Analysis Batch: 136163

Client Sample ID: SW-6 (4')  
 Prep Type: Total/NA  
 Prep Batch: 135948

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl (Surr)	155	S1+	70 - 130

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

Lab Sample ID: MB 880-135883/1-A  
 Matrix: Solid  
 Analysis Batch: 135936

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/25/26 23:24	1

Lab Sample ID: LCS 880-135883/2-A  
 Matrix: Solid  
 Analysis Batch: 135936

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.2		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-135883/3-A  
 Matrix: Solid  
 Analysis Batch: 135936

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	241.9		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-70013-2 MS  
 Matrix: Solid  
 Analysis Batch: 135936

Client Sample ID: CS-2 (4')  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	62.7		248	316.6		mg/Kg		102	90 - 110

Lab Sample ID: 880-70013-2 MSD  
 Matrix: Solid  
 Analysis Batch: 135936

Client Sample ID: CS-2 (4')  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	62.7		248	316.8		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-135884/1-A  
 Matrix: Solid  
 Analysis Batch: 135942

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			03/26/26 01:59	1

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: LCS 880-135884/2-A**  
**Matrix: Solid**  
**Analysis Batch: 135942**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.1		mg/Kg		98	90 - 110

**Lab Sample ID: LCSD 880-135884/3-A**  
**Matrix: Solid**  
**Analysis Batch: 135942**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	246.9		mg/Kg		99	90 - 110	0	20

**Lab Sample ID: 880-70013-12 MS**  
**Matrix: Solid**  
**Analysis Batch: 135942**

**Client Sample ID: SW-2 (4')**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	36.7		252	290.5		mg/Kg		101	90 - 110

**Lab Sample ID: 880-70013-12 MSD**  
**Matrix: Solid**  
**Analysis Batch: 135942**

**Client Sample ID: SW-2 (4')**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	36.7		252	289.6		mg/Kg		100	90 - 110	0	20

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

#### GC VOA

##### Prep Batch: 135920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-1	CS-1 (4')	Total/NA	Solid	5035	
880-70013-2	CS-2 (4')	Total/NA	Solid	5035	
880-70013-3	CS-3 (4')	Total/NA	Solid	5035	
880-70013-4	CS-4 (4')	Total/NA	Solid	5035	
880-70013-5	CS-5 (4')	Total/NA	Solid	5035	
880-70013-6	CS-6 (4')	Total/NA	Solid	5035	
880-70013-7	CS-7 (4')	Total/NA	Solid	5035	
880-70013-8	CS-8 (4')	Total/NA	Solid	5035	
880-70013-9	CS-9 (4')	Total/NA	Solid	5035	
880-70013-10	CS-10 (4')	Total/NA	Solid	5035	
880-70013-11	SW-1 (4')	Total/NA	Solid	5035	
880-70013-12	SW-2 (4')	Total/NA	Solid	5035	
880-70013-13	SW-3 (4')	Total/NA	Solid	5035	
880-70013-14	SW-4 (4')	Total/NA	Solid	5035	
880-70013-15	SW-5 (4')	Total/NA	Solid	5035	
880-70013-16	SW-6 (4')	Total/NA	Solid	5035	
MB 880-135920/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-135920/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-135920/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70013-1 MS	CS-1 (4')	Total/NA	Solid	5035	
880-70013-1 MSD	CS-1 (4')	Total/NA	Solid	5035	

##### Analysis Batch: 136088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-1	CS-1 (4')	Total/NA	Solid	8021B	135920
880-70013-2	CS-2 (4')	Total/NA	Solid	8021B	135920
880-70013-3	CS-3 (4')	Total/NA	Solid	8021B	135920
880-70013-4	CS-4 (4')	Total/NA	Solid	8021B	135920
880-70013-5	CS-5 (4')	Total/NA	Solid	8021B	135920
880-70013-6	CS-6 (4')	Total/NA	Solid	8021B	135920
880-70013-7	CS-7 (4')	Total/NA	Solid	8021B	135920
880-70013-8	CS-8 (4')	Total/NA	Solid	8021B	135920
880-70013-9	CS-9 (4')	Total/NA	Solid	8021B	135920
880-70013-10	CS-10 (4')	Total/NA	Solid	8021B	135920
880-70013-11	SW-1 (4')	Total/NA	Solid	8021B	135920
880-70013-12	SW-2 (4')	Total/NA	Solid	8021B	135920
880-70013-13	SW-3 (4')	Total/NA	Solid	8021B	135920
880-70013-14	SW-4 (4')	Total/NA	Solid	8021B	135920
880-70013-15	SW-5 (4')	Total/NA	Solid	8021B	135920
880-70013-16	SW-6 (4')	Total/NA	Solid	8021B	135920
880-67890-A-18 MB	Method Blank	Total/NA	Solid	8021B	
MB 880-135920/5-A	Method Blank	Total/NA	Solid	8021B	135920
LCS 880-135920/1-A	Lab Control Sample	Total/NA	Solid	8021B	135920
LCSD 880-135920/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	135920
880-70013-1 MS	CS-1 (4')	Total/NA	Solid	8021B	135920
880-70013-1 MSD	CS-1 (4')	Total/NA	Solid	8021B	135920

##### Analysis Batch: 136279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-1	CS-1 (4')	Total/NA	Solid	Total BTEX	
880-70013-2	CS-2 (4')	Total/NA	Solid	Total BTEX	

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
SDG: Lea County, New Mexico

## GC VOA (Continued)

## Analysis Batch: 136279 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-3	CS-3 (4')	Total/NA	Solid	Total BTEX	
880-70013-4	CS-4 (4')	Total/NA	Solid	Total BTEX	
880-70013-5	CS-5 (4')	Total/NA	Solid	Total BTEX	
880-70013-6	CS-6 (4')	Total/NA	Solid	Total BTEX	
880-70013-7	CS-7 (4')	Total/NA	Solid	Total BTEX	
880-70013-8	CS-8 (4')	Total/NA	Solid	Total BTEX	
880-70013-9	CS-9 (4')	Total/NA	Solid	Total BTEX	
880-70013-10	CS-10 (4')	Total/NA	Solid	Total BTEX	
880-70013-11	SW-1 (4')	Total/NA	Solid	Total BTEX	
880-70013-12	SW-2 (4')	Total/NA	Solid	Total BTEX	
880-70013-13	SW-3 (4')	Total/NA	Solid	Total BTEX	
880-70013-14	SW-4 (4')	Total/NA	Solid	Total BTEX	
880-70013-15	SW-5 (4')	Total/NA	Solid	Total BTEX	
880-70013-16	SW-6 (4')	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 135697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-11	SW-1 (4')	Total/NA	Solid	8015NM Prep	
880-70013-12	SW-2 (4')	Total/NA	Solid	8015NM Prep	
880-70013-13	SW-3 (4')	Total/NA	Solid	8015NM Prep	
880-70013-14	SW-4 (4')	Total/NA	Solid	8015NM Prep	
880-70013-15	SW-5 (4')	Total/NA	Solid	8015NM Prep	
MB 880-135697/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135697/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-135697/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-69913-A-13-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-69913-A-13-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Prep Batch: 135865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-1	CS-1 (4')	Total/NA	Solid	8015NM Prep	
880-70013-2	CS-2 (4')	Total/NA	Solid	8015NM Prep	
880-70013-3	CS-3 (4')	Total/NA	Solid	8015NM Prep	
880-70013-4	CS-4 (4')	Total/NA	Solid	8015NM Prep	
880-70013-5	CS-5 (4')	Total/NA	Solid	8015NM Prep	
880-70013-6	CS-6 (4')	Total/NA	Solid	8015NM Prep	
880-70013-7	CS-7 (4')	Total/NA	Solid	8015NM Prep	
880-70013-8	CS-8 (4')	Total/NA	Solid	8015NM Prep	
880-70013-9	CS-9 (4')	Total/NA	Solid	8015NM Prep	
880-70013-10	CS-10 (4')	Total/NA	Solid	8015NM Prep	
MB 880-135865/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135865/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-135865/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-69970-A-42-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-69970-A-42-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Prep Batch: 135948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-16	SW-6 (4')	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
SDG: Lea County, New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 135948 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-135948/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135948/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135948/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70013-16 MS	SW-6 (4')	Total/NA	Solid	8015NM Prep	
880-70013-16 MSD	SW-6 (4')	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 136163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-16	SW-6 (4')	Total/NA	Solid	8015B NM	135948
MB 880-135948/1-A	Method Blank	Total/NA	Solid	8015B NM	135948
LCS 880-135948/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135948
LCSD 880-135948/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135948
880-70013-16 MS	SW-6 (4')	Total/NA	Solid	8015B NM	135948
880-70013-16 MSD	SW-6 (4')	Total/NA	Solid	8015B NM	135948

## Analysis Batch: 136173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-1	CS-1 (4')	Total/NA	Solid	8015B NM	135865
880-70013-2	CS-2 (4')	Total/NA	Solid	8015B NM	135865
880-70013-3	CS-3 (4')	Total/NA	Solid	8015B NM	135865
880-70013-4	CS-4 (4')	Total/NA	Solid	8015B NM	135865
880-70013-5	CS-5 (4')	Total/NA	Solid	8015B NM	135865
880-70013-6	CS-6 (4')	Total/NA	Solid	8015B NM	135865
880-70013-7	CS-7 (4')	Total/NA	Solid	8015B NM	135865
880-70013-8	CS-8 (4')	Total/NA	Solid	8015B NM	135865
880-70013-9	CS-9 (4')	Total/NA	Solid	8015B NM	135865
880-70013-10	CS-10 (4')	Total/NA	Solid	8015B NM	135865
880-70013-11	SW-1 (4')	Total/NA	Solid	8015B NM	135697
880-70013-12	SW-2 (4')	Total/NA	Solid	8015B NM	135697
880-70013-13	SW-3 (4')	Total/NA	Solid	8015B NM	135697
880-70013-14	SW-4 (4')	Total/NA	Solid	8015B NM	135697
880-70013-15	SW-5 (4')	Total/NA	Solid	8015B NM	135697
MB 880-135697/1-A	Method Blank	Total/NA	Solid	8015B NM	135697
MB 880-135865/1-A	Method Blank	Total/NA	Solid	8015B NM	135865
LCS 880-135697/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135697
LCS 880-135865/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135865
LCSD 880-135697/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135697
LCSD 880-135865/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135865
880-69913-A-13-B MS	Matrix Spike	Total/NA	Solid	8015B NM	135697
880-69913-A-13-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	135697
880-69970-A-42-B MS	Matrix Spike	Total/NA	Solid	8015B NM	135865
880-69970-A-42-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	135865

## Analysis Batch: 136219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-1	CS-1 (4')	Total/NA	Solid	8015 NM	
880-70013-2	CS-2 (4')	Total/NA	Solid	8015 NM	
880-70013-3	CS-3 (4')	Total/NA	Solid	8015 NM	
880-70013-4	CS-4 (4')	Total/NA	Solid	8015 NM	
880-70013-5	CS-5 (4')	Total/NA	Solid	8015 NM	
880-70013-6	CS-6 (4')	Total/NA	Solid	8015 NM	

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
SDG: Lea County, New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 136219 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-7	CS-7 (4')	Total/NA	Solid	8015 NM	
880-70013-8	CS-8 (4')	Total/NA	Solid	8015 NM	
880-70013-9	CS-9 (4')	Total/NA	Solid	8015 NM	
880-70013-10	CS-10 (4')	Total/NA	Solid	8015 NM	
880-70013-11	SW-1 (4')	Total/NA	Solid	8015 NM	
880-70013-12	SW-2 (4')	Total/NA	Solid	8015 NM	
880-70013-13	SW-3 (4')	Total/NA	Solid	8015 NM	
880-70013-14	SW-4 (4')	Total/NA	Solid	8015 NM	
880-70013-15	SW-5 (4')	Total/NA	Solid	8015 NM	
880-70013-16	SW-6 (4')	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 135883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-1	CS-1 (4')	Soluble	Solid	DI Leach	
880-70013-2	CS-2 (4')	Soluble	Solid	DI Leach	
880-70013-3	CS-3 (4')	Soluble	Solid	DI Leach	
880-70013-4	CS-4 (4')	Soluble	Solid	DI Leach	
880-70013-5	CS-5 (4')	Soluble	Solid	DI Leach	
880-70013-6	CS-6 (4')	Soluble	Solid	DI Leach	
880-70013-7	CS-7 (4')	Soluble	Solid	DI Leach	
880-70013-8	CS-8 (4')	Soluble	Solid	DI Leach	
880-70013-9	CS-9 (4')	Soluble	Solid	DI Leach	
880-70013-10	CS-10 (4')	Soluble	Solid	DI Leach	
880-70013-11	SW-1 (4')	Soluble	Solid	DI Leach	
MB 880-135883/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-135883/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135883/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70013-2 MS	CS-2 (4')	Soluble	Solid	DI Leach	
880-70013-2 MSD	CS-2 (4')	Soluble	Solid	DI Leach	

## Leach Batch: 135884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-12	SW-2 (4')	Soluble	Solid	DI Leach	
880-70013-13	SW-3 (4')	Soluble	Solid	DI Leach	
880-70013-14	SW-4 (4')	Soluble	Solid	DI Leach	
880-70013-15	SW-5 (4')	Soluble	Solid	DI Leach	
880-70013-16	SW-6 (4')	Soluble	Solid	DI Leach	
MB 880-135884/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-135884/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135884/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70013-12 MS	SW-2 (4')	Soluble	Solid	DI Leach	
880-70013-12 MSD	SW-2 (4')	Soluble	Solid	DI Leach	

## Analysis Batch: 135936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-1	CS-1 (4')	Soluble	Solid	300.0	135883
880-70013-2	CS-2 (4')	Soluble	Solid	300.0	135883
880-70013-3	CS-3 (4')	Soluble	Solid	300.0	135883
880-70013-4	CS-4 (4')	Soluble	Solid	300.0	135883

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
SDG: Lea County, New Mexico

## HPLC/IC (Continued)

## Analysis Batch: 135936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-5	CS-5 (4')	Soluble	Solid	300.0	135883
880-70013-6	CS-6 (4')	Soluble	Solid	300.0	135883
880-70013-7	CS-7 (4')	Soluble	Solid	300.0	135883
880-70013-8	CS-8 (4')	Soluble	Solid	300.0	135883
880-70013-9	CS-9 (4')	Soluble	Solid	300.0	135883
880-70013-10	CS-10 (4')	Soluble	Solid	300.0	135883
880-70013-11	SW-1 (4')	Soluble	Solid	300.0	135883
MB 880-135883/1-A	Method Blank	Soluble	Solid	300.0	135883
LCS 880-135883/2-A	Lab Control Sample	Soluble	Solid	300.0	135883
LCSD 880-135883/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135883
880-70013-2 MS	CS-2 (4')	Soluble	Solid	300.0	135883
880-70013-2 MSD	CS-2 (4')	Soluble	Solid	300.0	135883

## Analysis Batch: 135942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70013-12	SW-2 (4')	Soluble	Solid	300.0	135884
880-70013-13	SW-3 (4')	Soluble	Solid	300.0	135884
880-70013-14	SW-4 (4')	Soluble	Solid	300.0	135884
880-70013-15	SW-5 (4')	Soluble	Solid	300.0	135884
880-70013-16	SW-6 (4')	Soluble	Solid	300.0	135884
MB 880-135884/1-A	Method Blank	Soluble	Solid	300.0	135884
LCS 880-135884/2-A	Lab Control Sample	Soluble	Solid	300.0	135884
LCSD 880-135884/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135884
880-70013-12 MS	SW-2 (4')	Soluble	Solid	300.0	135884
880-70013-12 MSD	SW-2 (4')	Soluble	Solid	300.0	135884

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-70013-1**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 00:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 00:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/28/26 15:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	135865	03/25/26 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/28/26 15:29	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	135883	03/25/26 11:36	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135936	03/26/26 01:10	CS	EET MID

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

**Lab Sample ID: 880-70013-2**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 01:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/28/26 15:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135865	03/25/26 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/28/26 15:44	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	135883	03/25/26 11:36	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135936	03/26/26 01:17	CS	EET MID

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

**Lab Sample ID: 880-70013-3**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 01:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 01:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/28/26 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135865	03/25/26 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/28/26 15:59	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135883	03/25/26 11:36	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135936	03/26/26 01:36	CS	EET MID

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

**Lab Sample ID: 880-70013-4**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 01:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 01:56	AJ	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-70013-4**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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			136219	03/28/26 16:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135865	03/25/26 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/28/26 16:14	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	135883	03/25/26 11:36	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135936	03/26/26 01:43	CS	EET MID

**Client Sample ID: CS-5 (4')**

**Lab Sample ID: 880-70013-5**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 02:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 02:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/28/26 16:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135865	03/25/26 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/28/26 16:29	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	135883	03/25/26 11:36	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135936	03/26/26 02:03	CS	EET MID

**Client Sample ID: CS-6 (4')**

**Lab Sample ID: 880-70013-6**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 02:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 02:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/28/26 16:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135865	03/25/26 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/28/26 16:44	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	135883	03/25/26 11:36	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135936	03/26/26 02:10	CS	EET MID

**Client Sample ID: CS-7 (4')**

**Lab Sample ID: 880-70013-7**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 02:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 02:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/28/26 17:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135865	03/25/26 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/28/26 17:00	FC	EET MID

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

**Client Sample ID: CS-7 (4')**

**Lab Sample ID: 880-70013-7**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	135883	03/25/26 11:36	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135936	03/26/26 02:16	CS	EET MID

**Client Sample ID: CS-8 (4')**

**Lab Sample ID: 880-70013-8**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 03:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 03:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/28/26 17:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135865	03/25/26 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/28/26 17:14	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	135883	03/25/26 11:36	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135936	03/26/26 02:23	CS	EET MID

**Client Sample ID: CS-9 (4')**

**Lab Sample ID: 880-70013-9**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 03:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 03:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/28/26 17:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135865	03/25/26 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/28/26 17:30	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	135883	03/25/26 11:36	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135936	03/26/26 02:30	CS	EET MID

**Client Sample ID: CS-10 (4')**

**Lab Sample ID: 880-70013-10**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 03:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 03:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/28/26 17:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135865	03/25/26 09:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/28/26 17:44	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135883	03/25/26 11:36	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135936	03/26/26 02:36	CS	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-70013-11**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 05:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 05:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/29/26 00:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	135697	03/23/26 14:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/29/26 00:21	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	135883	03/25/26 11:36	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135936	03/26/26 02:43	CS	EET MID

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

**Lab Sample ID: 880-70013-12**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 06:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 06:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/29/26 00:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	135697	03/23/26 14:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/29/26 00:37	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135884	03/25/26 11:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135942	03/26/26 02:15	CS	EET MID

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

**Lab Sample ID: 880-70013-13**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 06:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 06:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/29/26 00:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	135697	03/23/26 14:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/29/26 00:51	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	135884	03/25/26 11:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135942	03/26/26 02:30	CS	EET MID

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

**Lab Sample ID: 880-70013-14**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 06:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 06:50	AJ	EET MID

Eurofins Midland

### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-70013-14**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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			136219	03/29/26 01:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	135697	03/23/26 14:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/29/26 01:06	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	135884	03/25/26 11:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135942	03/26/26 02:36	CS	EET MID

**Client Sample ID: SW-5 (4')**

**Lab Sample ID: 880-70013-15**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 07:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 07:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/29/26 01:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	135697	03/23/26 14:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136173	03/29/26 01:21	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	135884	03/25/26 11:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135942	03/26/26 02:41	CS	EET MID

**Client Sample ID: SW-6 (4')**

**Lab Sample ID: 880-70013-16**

Date Collected: 03/24/26 00:00

Matrix: Solid

Date Received: 03/24/26 16:55

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	135920	03/25/26 13:15	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136088	03/28/26 07:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136279	03/28/26 07:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			136219	03/27/26 20:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135948	03/25/26 16:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136163	03/27/26 20:16	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	135884	03/25/26 11:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135942	03/26/26 02:46	CS	EET MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
SDG: Lea County, New Mexico

#### Laboratory: Eurofins Midland

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

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

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

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

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### Method Summary

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
 SDG: Lea County, New Mexico

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

**Protocol References:**

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

**Laboratory References:**

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



### Sample Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70013-1  
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70013-1	CS-1 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-2	CS-2 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-3	CS-3 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-4	CS-4 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-5	CS-5 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-6	CS-6 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-7	CS-7 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-8	CS-8 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-9	CS-9 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-10	CS-10 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-11	SW-1 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-12	SW-2 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-13	SW-3 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-14	SW-4 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-15	SW-5 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico
880-70013-16	SW-6 (4')	Solid	03/24/26 00:00	03/24/26 16:55	New Mexico

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Chain of Custody



880-70013 Chain of Custody

Page 1 of 2

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

Bill to: (if different)  
 Company Name: Carmona Resources  
 Address:  
 City, State ZIP:  
 Email:

Work Order Comments  
 Program:  UST/PST  PRP  Brownfields  RRC  Superfund   
 State of Project:  Level I  Level II  Level III  PST/UST  FRRP  Level IV   
 Deliverables: EDD  ADAPT  Other:

Project Name: Orbit Transfer Pump  
 Project Number: 2611  
 Project Location: Lea County, New Mexico  
 Sampler's Name: CMM  
 PO #:

Turn Arounid  
 Routine  Rush  
 Due Date:  
 Wet Loc:  Yes  No

Temp Blank:  Yes  No  
 Thermometer ID:  
 Cooler Custody Seals: Yes  No  N/A  
 Sample Custody Seals: Yes  No  N/A  
 Total Containers:

Parameters  
 Pres. Code  
 # of Cont  
 Grab/Comp  
 Water  
 Soil  
 Time  
 Date

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		Pres. Code	ANALYSIS REQUEST		Preservative Codes
							TPH 8015M (GRO + DRO + MRO)	BTEX 8021B		None: NO	DI Water: H <sub>2</sub> O	
CS-1 (4')	3/24/2026		X		Comp	1	X	X				MeOH: Me HCl: HC HNO <sub>3</sub> : HN NaOH: Na H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
CS-2 (4')	3/24/2026		X		Comp	1	X	X				
CS-3 (4')	3/24/2026		X		Comp	1	X	X				
CS-4 (4')	3/24/2026		X		Comp	1	X	X				
CS-5 (4')	3/24/2026		X		Comp	1	X	X				
CS-6 (4')	3/24/2026		X		Comp	1	X	X				
CS-7 (4')	3/24/2026		X		Comp	1	X	X				
CS-8 (4')	3/24/2026		X		Comp	1	X	X				
CS-9 (4')	3/24/2026		X		Comp	1	X	X				
CS-10 (4')	3/24/2026		X		Comp	1	X	X				

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

Relinquished by: (Signature) *[Signature]*  
 Date/Time  
 Received by: (Signature) *[Signature]*  
 Date/Time 3/24/26 1655

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### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70013-1  
SDG Number: Lea County, New Mexico

**Login Number: 70013**

**List Number: 1**

**Creator: Dyal, Erica**

**List Source: Eurofins Midland**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 4/23/2026 1:03:17 PM

## JOB DESCRIPTION

Orbit Transfer Pump  
 Lea County New Mexico

## JOB NUMBER

880-70911-1

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  
4/23/2026 1:03:17 PM

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

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Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Laboratory Job ID: 880-70911-1  
SDG: Lea County New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70911-1  
SDG: Lea County New Mexico

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

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

## Glossary

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

## Case Narrative

Client: Carmona Resources  
Project: Orbit Transfer Pump

Job ID: 880-70911-1

**Job ID: 880-70911-1**

**Eurofins Midland**

### Job Narrative 880-70911-1

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

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

#### Receipt

The sample was received on 4/14/2026 10:36 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -10.0°C.

#### GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-138596 recovered under the lower control limit for Benzene, Toluene, Ethylbenzene, m,p-Xylenes and o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-138555 and analytical batch 880-138596 was outside the upper control limits.

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

#### Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-137709/2-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-137709/3-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: Backfill (880-70911-1) and (880-70862-A-30-E). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (880-70862-A-30-F MS) and (880-70862-A-30-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

#### HPLC/IC

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

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### Client Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70911-1  
 SDG: Lea County New Mexico

**Client Sample ID: Backfill**

**Lab Sample ID: 880-70911-1**

Date Collected: 04/10/26 09:00

Matrix: Solid

Date Received: 04/14/26 10:36

**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		04/22/26 08:28	04/22/26 22:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/22/26 08:28	04/22/26 22:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/22/26 08:28	04/22/26 22:37	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		04/22/26 08:28	04/22/26 22:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/22/26 08:28	04/22/26 22:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/22/26 08:28	04/22/26 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/22/26 08:28	04/22/26 22:37	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/22/26 08:28	04/22/26 22:37	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			04/22/26 22:37	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			04/17/26 07:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/14/26 13:29	04/17/26 07:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/14/26 13:29	04/17/26 07:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/14/26 13:29	04/17/26 07:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	194	S1+	70 - 130	04/14/26 13:29	04/17/26 07:03	1
o-Terphenyl (Surr)	160	S1+	70 - 130	04/14/26 13:29	04/17/26 07:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.0		9.98		mg/Kg			04/16/26 20:59	1

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70911-1  
SDG: Lea County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-70911-1	Backfill	109	97
890-9814-A-21-C MS	Matrix Spike	105	102
890-9814-A-21-D MSD	Matrix Spike Duplicate	101	124
LCS 880-138555/1-A	Lab Control Sample	101	127
LCSD 880-138555/2-A	Lab Control Sample Dup	104	110
MB 880-138555/5-A	Method Blank	225 S1+	120

**Surrogate Legend**

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-70862-A-30-F MS	Matrix Spike	116	164 S1+
880-70862-A-30-G MSD	Matrix Spike Duplicate	116	165 S1+
880-70911-1	Backfill	194 S1+	160 S1+
LCS 880-137709/2-A	Lab Control Sample	138 S1+	125
LCSD 880-137709/3-A	Lab Control Sample Dup	121	140 S1+
MB 880-137709/1-A	Method Blank	94	121

**Surrogate Legend**

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

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70911-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-138555/5-A  
 Matrix: Solid  
 Analysis Batch: 138596

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 138555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/26 08:28	04/22/26 16:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/26 08:28	04/22/26 16:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/26 08:28	04/22/26 16:10	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/22/26 08:28	04/22/26 16:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/26 08:28	04/22/26 16:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/26 08:28	04/22/26 16:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	225	S1+	70 - 130	04/22/26 08:28	04/22/26 16:10	1
1,4-Difluorobenzene (Surr)	120		70 - 130	04/22/26 08:28	04/22/26 16:10	1

Lab Sample ID: LCS 880-138555/1-A  
 Matrix: Solid  
 Analysis Batch: 138596

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 138555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1164		mg/Kg		116	70 - 130
Toluene	0.100	0.08741		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09615		mg/Kg		96	70 - 130
m,p-Xylenes	0.200	0.1978		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09539		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	127		70 - 130

Lab Sample ID: LCSD 880-138555/2-A  
 Matrix: Solid  
 Analysis Batch: 138596

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 138555

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1055		mg/Kg		105	70 - 130	10	35
Toluene	0.100	0.09141		mg/Kg		91	70 - 130	4	35
Ethylbenzene	0.100	0.09819		mg/Kg		98	70 - 130	2	35
m,p-Xylenes	0.200	0.2011		mg/Kg		101	70 - 130	2	35
o-Xylene	0.100	0.09690		mg/Kg		97	70 - 130	2	35

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

Lab Sample ID: 890-9814-A-21-C MS  
 Matrix: Solid  
 Analysis Batch: 138596

Client Sample ID: Matrix Spike  
 Prep Type: Total/NA  
 Prep Batch: 138555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09243		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.07998		mg/Kg		80	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70911-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: 890-9814-A-21-C MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 138596

Prep Batch: 138555

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.08936		mg/Kg		89	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1717		mg/Kg		86	70 - 130
o-Xylene	<0.00200	U	0.100	0.08290		mg/Kg		83	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-9814-A-21-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 138596

Prep Batch: 138555

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.09844		mg/Kg		98	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.07655		mg/Kg		77	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.08697		mg/Kg		87	70 - 130	3	35
m,p-Xylenes	<0.00399	U	0.200	0.1771		mg/Kg		89	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.08591		mg/Kg		86	70 - 130	4	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

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

Lab Sample ID: MB 880-137709/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 137963

Prep Batch: 137709

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		04/14/26 13:28	04/17/26 01:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/14/26 13:28	04/17/26 01:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/14/26 13:28	04/17/26 01:41	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	94		70 - 130	04/14/26 13:28	04/17/26 01:41	1
o-Terphenyl (Surr)	121		70 - 130	04/14/26 13:28	04/17/26 01:41	1

Lab Sample ID: LCS 880-137709/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 137963

Prep Batch: 137709

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1171		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1237		mg/Kg		124	70 - 130

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### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70911-1  
 SDG: Lea County New Mexico

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

**Lab Sample ID: LCS 880-137709/2-A**  
**Matrix: Solid**  
**Analysis Batch: 137963**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 137709**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	138	S1+	70 - 130
o-Terphenyl (Surr)	125		70 - 130

**Lab Sample ID: LCSD 880-137709/3-A**  
**Matrix: Solid**  
**Analysis Batch: 137963**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 137709**

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1023		mg/Kg		102	70 - 130	14		20
Diesel Range Organics (Over C10-C28)	1000	1292		mg/Kg		129	70 - 130	4		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	121		70 - 130
o-Terphenyl (Surr)	140	S1+	70 - 130

**Lab Sample ID: 880-70862-A-30-F MS**  
**Matrix: Solid**  
**Analysis Batch: 137963**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 137709**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	755.2		mg/Kg		76	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1094		mg/Kg		110	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	116		70 - 130
o-Terphenyl (Surr)	164	S1+	70 - 130

**Lab Sample ID: 880-70862-A-30-G MSD**  
**Matrix: Solid**  
**Analysis Batch: 137963**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 137709**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	768.6		mg/Kg		77	70 - 130	2		20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1131		mg/Kg		113	70 - 130	3		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	116		70 - 130
o-Terphenyl (Surr)	165	S1+	70 - 130

### QC Sample Results

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70911-1  
 SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-137834/1-A  
 Matrix: Solid  
 Analysis Batch: 137861

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/16/26 20:44	1

Lab Sample ID: LCS 880-137834/2-A  
 Matrix: Solid  
 Analysis Batch: 137861

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.3		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-137834/3-A  
 Matrix: Solid  
 Analysis Batch: 137861

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	262.9		mg/Kg		105	90 - 110	2	20

Lab Sample ID: 880-70911-1 MS  
 Matrix: Solid  
 Analysis Batch: 137861

Client Sample ID: Backfill  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	47.0		250	303.1		mg/Kg		103	90 - 110

Lab Sample ID: 880-70911-1 MSD  
 Matrix: Solid  
 Analysis Batch: 137861

Client Sample ID: Backfill  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	47.0		250	306.7		mg/Kg		104	90 - 110	1	20

### QC Association Summary

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70911-1  
 SDG: Lea County New Mexico

#### GC VOA

##### Prep Batch: 138555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70911-1	Backfill	Total/NA	Solid	5035	
MB 880-138555/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-138555/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-138555/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9814-A-21-C MS	Matrix Spike	Total/NA	Solid	5035	
890-9814-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

##### Analysis Batch: 138596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70911-1	Backfill	Total/NA	Solid	8021B	138555
MB 880-138555/5-A	Method Blank	Total/NA	Solid	8021B	138555
LCS 880-138555/1-A	Lab Control Sample	Total/NA	Solid	8021B	138555
LCSD 880-138555/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	138555
890-9814-A-21-C MS	Matrix Spike	Total/NA	Solid	8021B	138555
890-9814-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	138555

##### Analysis Batch: 138725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70911-1	Backfill	Total/NA	Solid	Total BTEX	

#### GC Semi VOA

##### Prep Batch: 137709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70911-1	Backfill	Total/NA	Solid	8015NM Prep	
MB 880-137709/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-137709/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-137709/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70862-A-30-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-70862-A-30-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

##### Analysis Batch: 137963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70911-1	Backfill	Total/NA	Solid	8015B NM	137709
MB 880-137709/1-A	Method Blank	Total/NA	Solid	8015B NM	137709
LCS 880-137709/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	137709
LCSD 880-137709/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	137709
880-70862-A-30-F MS	Matrix Spike	Total/NA	Solid	8015B NM	137709
880-70862-A-30-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	137709

##### Analysis Batch: 138146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70911-1	Backfill	Total/NA	Solid	8015 NM	

#### HPLC/IC

##### Leach Batch: 137834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70911-1	Backfill	Soluble	Solid	DI Leach	
MB 880-137834/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-137834/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-137834/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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### QC Association Summary

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70911-1  
 SDG: Lea County New Mexico

#### HPLC/IC (Continued)

##### Leach Batch: 137834 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70911-1 MS	Backfill	Soluble	Solid	DI Leach	
880-70911-1 MSD	Backfill	Soluble	Solid	DI Leach	

##### Analysis Batch: 137861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70911-1	Backfill	Soluble	Solid	300.0	137834
MB 880-137834/1-A	Method Blank	Soluble	Solid	300.0	137834
LCS 880-137834/2-A	Lab Control Sample	Soluble	Solid	300.0	137834
LCSD 880-137834/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	137834
880-70911-1 MS	Backfill	Soluble	Solid	300.0	137834
880-70911-1 MSD	Backfill	Soluble	Solid	300.0	137834

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### Lab Chronicle

Client: Carmona Resources  
 Project/Site: Orbit Transfer Pump

Job ID: 880-70911-1  
 SDG: Lea County New Mexico

**Client Sample ID: Backfill**

**Lab Sample ID: 880-70911-1**

Date Collected: 04/10/26 09:00

Matrix: Solid

Date Received: 04/14/26 10:36

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	138555	04/22/26 08:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	138596	04/22/26 22:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			138725	04/22/26 22:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			138146	04/17/26 07:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	137709	04/14/26 13:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	137963	04/17/26 07:03	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	137834	04/15/26 11:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	137861	04/16/26 20:59	CS	EET MID

**Laboratory References:**

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

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### Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70911-1  
SDG: Lea County New Mexico

#### Laboratory: Eurofins Midland

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

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

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

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

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### Method Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70911-1  
SDG: Lea County New Mexico

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

**Protocol References:**

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

**Laboratory References:**

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



### Sample Summary

Client: Carmona Resources  
Project/Site: Orbit Transfer Pump

Job ID: 880-70911-1  
SDG: Lea County New Mexico

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70911-1	Backfill	Solid	04/10/26 09:00	04/14/26 10:36	New Mexico

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### Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-70911-1  
SDG Number: Lea County New Mexico

**Login Number: 70911**

**List Number: 1**

**Creator: Vasquez, Julisa**

**List Source: Eurofins Midland**

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

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

QUESTIONS

Action 578731

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 578731
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2316342880
Incident Name	NAPP2316342880 ORBIT TRANSFER PUMP @ C-10-25S-31E 748N 2650E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	ORBIT TRANSFER PUMP
Date Release Discovered	06/11/2023
Surface Owner	Federal

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Valve   Produced Water   Released: 64 BBL   Recovered: 30 BBL   Lost: 34 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)	A produced water spill of 64 barrels occurred approximately 0.2 miles away from the Cotton Draw Unit 089 pad (32.15005556 /-103.7657778). The spill happened at an Orbit transfer pump. Upon discovery, they isolated the valve and drove their truck tire over the lay flat line to pinch off the release. 30 barrels was recovered, and Orbit has already begun clean up.

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QUESTIONS, Page 2

Action 578731

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 578731
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

*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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 04/24/2026
--	--

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QUESTIONS, Page 3

Action 578731

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 578731
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
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 ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (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	No

**Remediation Plan**

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	945
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	03/18/2026
On what date will (or did) the final sampling or liner inspection occur	03/24/2026
On what date will (or was) the remediation complete(d)	03/27/2026
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1785
What is the estimated volume (in cubic yards) that will be remediated	265

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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QUESTIONS, Page 4

Action 578731

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 578731
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and <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	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 04/24/2026
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 578731

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 578731
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 578731

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 578731
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	565033
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/25/2026
What was the (estimated) number of samples that were to be gathered	13
What was the sampling surface area in square feet	1785

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1785
What was the total volume (cubic yards) remediated	265
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Remediation complete

*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: James Raley Title: EHS Professional Email: jim.ralej@dvn.com Date: 04/24/2026
--	--

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Action 578731

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 578731
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**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	No

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CONDITIONS

Action 578731

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 578731
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2316342880 ORBIT TRANSFER PUMP, thank you. This Remediation Closure Report is approved.	4/27/2026