CARMONA RESOURCES

# SITE INFORMATION

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**Closure Report**
**Red Bull 35 Federal 1H (08.24.25)**
**Incident ID: nAPP2523735216**
**Lea County, New Mexico**
**Unit K Sec 35 T25S R33E**
**32.085488°, -103.545737°**

**Crude Oil Release**
**Point of Release: Flare Fire**
**Release Date: 08/24/2025**
**Volume Released: 0.48 Barrels of Crude Oil**
**Volume Recovered: 0 Barrels of Crude Oil**

CARMONA RESOURCES

**Prepared for:**
**Concho Operating, LLC**
**600 W Illinois Ave**
**Midland, Texas 79701**

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

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

CARMONA RESOURCES

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310 West Wall Street, Suite 500
Midland TX, 79701
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CARMONA RESOURCES

October 23, 2025

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

**Re: Closure Report**
**Red Bull 35 Federal 1H (08.24.25)**
**Incident ID: nAPP2523735216**
**Concho Operating, LLC**
**Site Location: Unit K, S35, T25S, R33E**
**(Lat 32.085488°, Long -103.545737°)**
**Lea County, New Mexico**

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Red Bull 35 Federal 1H (08.24.25). The site is located at 32.085488°, -103.545737° within Unit K, S35, T25S, R33E, in Lea 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 August 24, 2025, due to a flare fire. The incident released approximately zero point four eight (0.48) barrels of crude oil with zero (0) barrels of crude oil recovered. The impacted area occurred on pad, as shown in Figure 3. The Notice of Release and C-141 forms are 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. A groundwater determination bore was installed on April 18, 2023, and located approximately 0.07 miles Southeast of the release area in S35, T25S, R33E. The bore was left open for 72 hours and tagged with a water level meter. The bore indicated no signs of water at a depth of 106’ below ground surface (bgs). A copy of the associated bore log is attached in Appendix D

## 3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria was utilized in assessing 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: 20,000 mg/kg.

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## 4.0 Site Assessment Activities

Initial Assessment

On September 4, 2025, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) sample points (S-1 and S-2) and five (5) horizontal sample points (H-1 through H-5) were installed to total depths ranging from surface to 1.5' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

## 5.0 Remediation Activities

Carmona Resources personnel were on site to mark out the proposed excavation areas and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on October 16, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. The area of S-1 was excavated to a depth of 2.5' to ensure the removal of all impacted material. A total of one (1) confirmation floor sample was collected (CS-1), and five (5) sidewall samples (SW-1 through SW-5) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

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

Approximately 15 cubic yards of material were excavated and transported off-site for proper disposal.

## 6.0 Conclusions

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

Sincerely,
**Carmona Resources, LLC**

Conner Moehring
Environmental Manager

Stephen Reyes
Environmental Engineer

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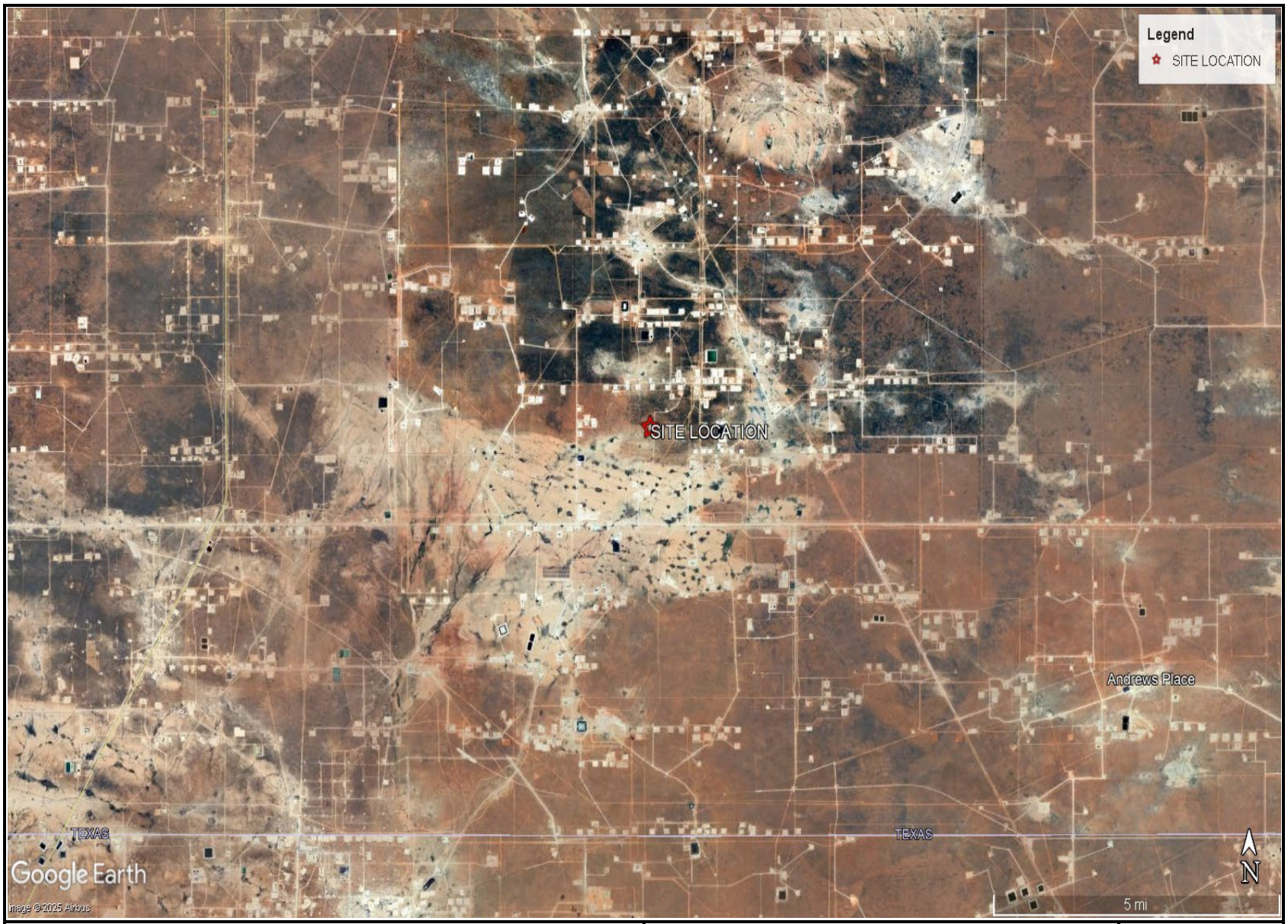
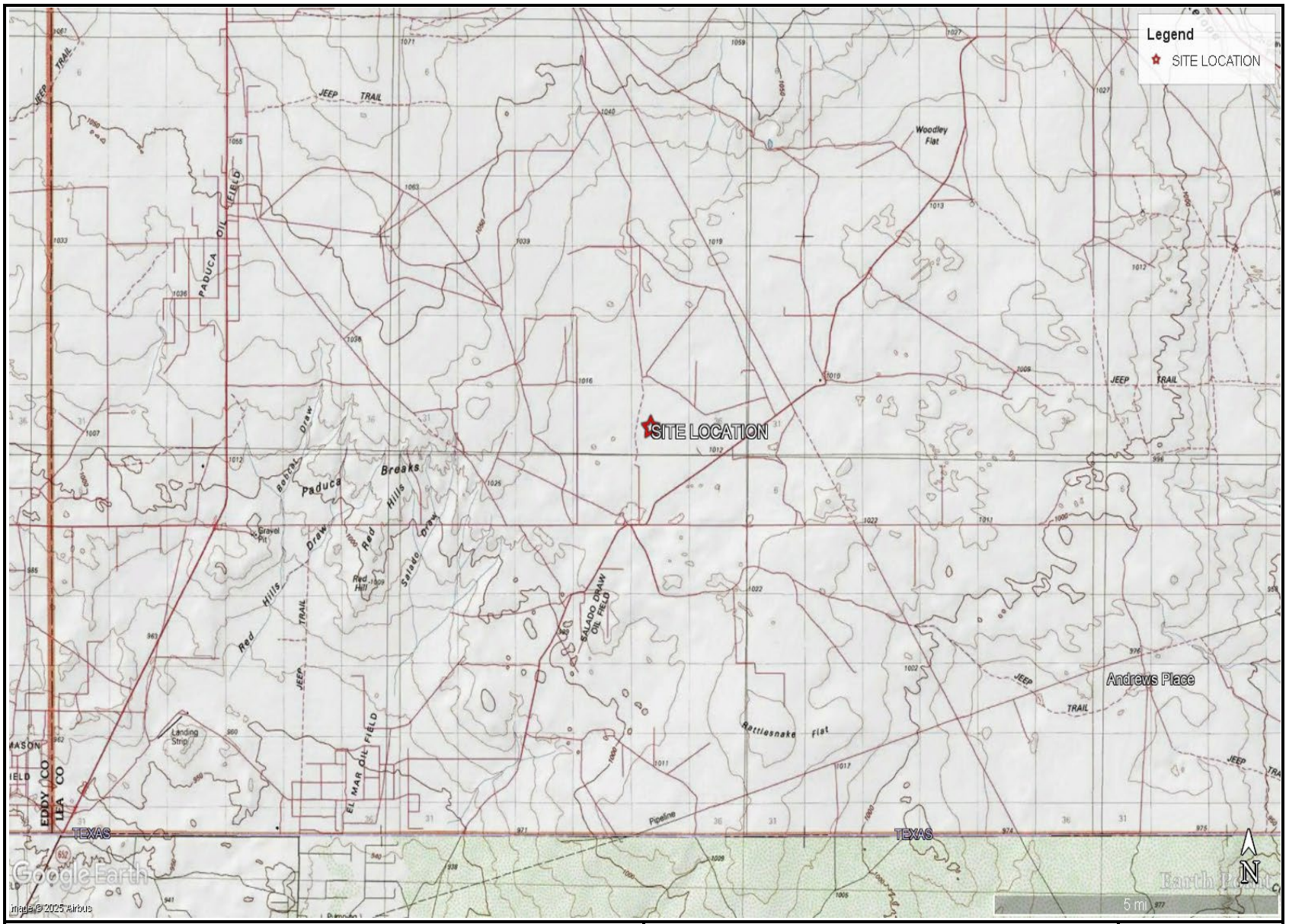
Midland TX, 79701
432.813.1992

# FIGURES

CARMONA RESOURCES




| | | |
|---|---|---|
| OVERVIEW MAP<br>CONOCO PHILLIPS, LLC<br>RED BULL 35 FEDERAL 1H (08.24.25)<br>LEA COUNTY, NEW MEXICO<br>32.085488°, -103.545737° | CARMONA RESOURCES | FIGURE 1 |




| | | |
|---|---|---|
| TOPOGRAPHIC MAP<br>CONOCO PHILLIPS, LLC<br>RED BULL 35 FEDERAL 1H (08.24.25)<br>LEA COUNTY, NEW MEXICO<br>32.085488°, -103.545737° | CARMONA RESOURCES | FIGURE 2 |


| | | |
|---|---|---|
| SAMPLE LOCATION MAP<br>COG OPERATING, LLC<br>RED BULL 35 FEDERAL 1H (08.24.25)<br>LEA COUNTY, NEW MEXICO<br>32.085488°, -103.545737° | CARMONA RESOURCES | FIGURE 3 |


| | | |
|---|---|---|
| EXCAVATION DEPTH MAP<br>COG OPERATING, LLC<br>RED BULL 35 FEDERAL 1H (08.24.25)<br>LEA COUNTY, NEW MEXICO<br>32.085488°, -103.545737° | CARMONA RESOURCES | FIGURE 4 |

# APPENDIX A

CARMONA RESOURCES

**Table 1**
**COG Operating, LLC**
**Red Bull 35 Federal 1H Flare Fire (08.24.25)**
**Lea County, New Mexico**

| Sample ID | Date | Depth (in) | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | GRO | DRO | MRO | Total | | | | | | |
| S-1 | 9/4/2025 | 0-3 | <50.0 | **116** | <50.0 | **116** | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | 325 |
| | " | 6 | <49.9 | <49.9 | <49.9 | <49.9 | <0.00198 | <0.00198 | <0.00198 | <0.00397 | <0.00397 | 539 |
| | " | 1 | <50.0 | 66.8 | <50.0 | 66.8 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 585 |
| | " | 1.5 | <49.8 | <49.8 | <49.8 | <49.8 | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | **654** |
| S-2 | 9/4/2025 | 0-3 | <49.8 | <49.8 | <49.8 | <49.8 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | 25.4 |
| | " | 6 | <50.0 | <50.0 | <50.0 | <50.0 | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | 530 |
| | " | 1 | <50.0 | 77.1 | <50.0 | 77.1 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 597 |
| H-1 | 9/4/2025 | 0-0.5 | <49.9 | <49.9 | <49.9 | <49.9 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 77.7 |
| H-2 | 9/4/2025 | 0-0.5 | <50.0 | <50.0 | <50.0 | <50.0 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | 77.4 |
| H-3 | 9/4/2025 | 0-0.5 | <49.8 | <49.8 | <49.8 | <49.8 | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | 122 |
| H-4 | 9/4/2025 | 0-0.5 | <49.9 | <49.9 | <49.9 | <49.9 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 76.5 |
| H-5 | 9/4/2025 | 0-0.5 | <50.0 | <50.0 | <50.0 | <50.0 | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | 68.2 |
| *Regulatory Criteria* [A] | | | | | | 100 mg/kg | 10 mg/kg | | | | 50 mg/kg | 600 mg/kg |

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(S) Sample Point
(H) Horizontal Point
Removed

**Table 1**
**COG Operating, LLC**
**Redbull 35 Federal 1H Flare Fire (08.24.2025)**
**Lea County, New Mexico**

| Sample ID | Date | Depth (ft) | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | GRO | DRO | MRO | Total | | | | | | |
| **CS-1** | 10/8/2025 | 2.5' | <49.8 | <49.8 | <49.8 | <49.8 | <0.00202 | <0.00202 | <0.00202 | <0.00403 | <0.00403 | 122 |
| **SW-1** | 10/8/2025 | 2.5' | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | 108 |
| **SW-2** | 10/8/2025 | 2.5' | <50.0 | <50.0 | <50.0 | <50.0 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 104 |
| **SW-3** | 10/8/2025 | 2.5' | <49.8 | <49.8 | <49.8 | <49.8 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | 102 |
| **SW-4** | 10/8/2025 | 2.5' | <49.9 | <49.9 | <49.9 | <49.9 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | 99.3 |
| **SW-5** | 10/8/2025 | 2.5' | <50.0 | <50.0 | <50.0 | <50.0 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 107 |
| **BACKFILL** | 10/17/2025 | - | <50.0 | <50.0 | <50.0 | <50.0 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 105 |
| ***Regulatory Criteria*** [A] | | | | | | **100 mg/kg** | **10 mg/kg** | | | | **50 mg/kg** | **600 mg/kg** |

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(CS)- Confirmation Sample
(SW)- Sidewall Sample

# APPENDIX B

CARMONA RESOURCES

# PHOTOGRAPHIC LOG

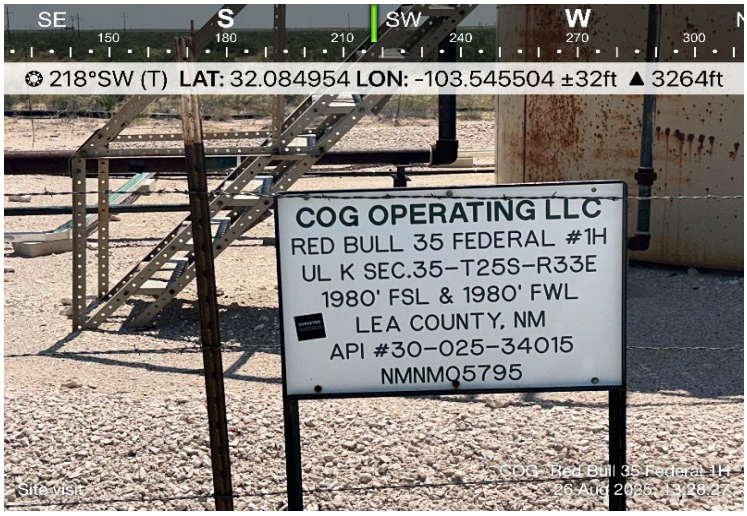
**COG Operating, LLC**

**Photograph No. 1**

**Facility:** Red Bull 35 Federal 1H (08.24.25)

**County:** Lea County, New Mexico

**Description:**
View Southwest of well sign.

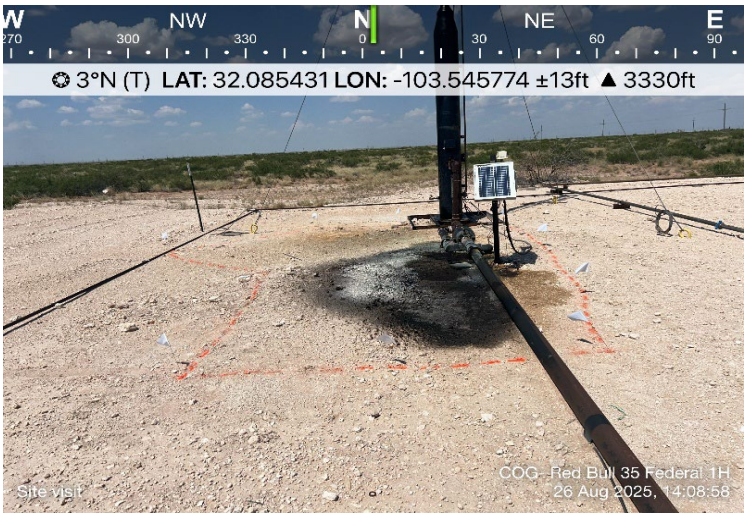



**Photograph No. 2**

**Facility:** Red Bull 35 Federal 1H (08.24.25)

**County:** Lea County, New Mexico

**Description:**
View North, area of initial sampling S-1 & S-2

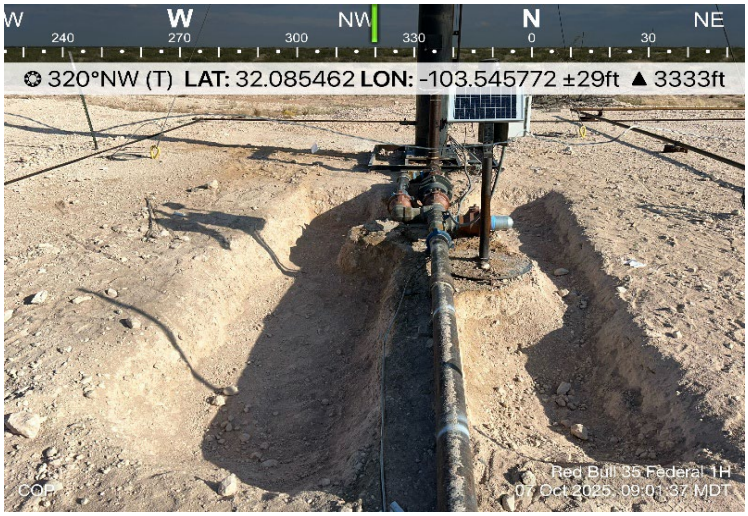



**Photograph No. 3**

**Facility:** Red Bull 35 Federal 1H (08.24.25)

**County:** Lea County, New Mexico

**Description:**
View Northwest, area of excavation



# PHOTOGRAPHIC LOG

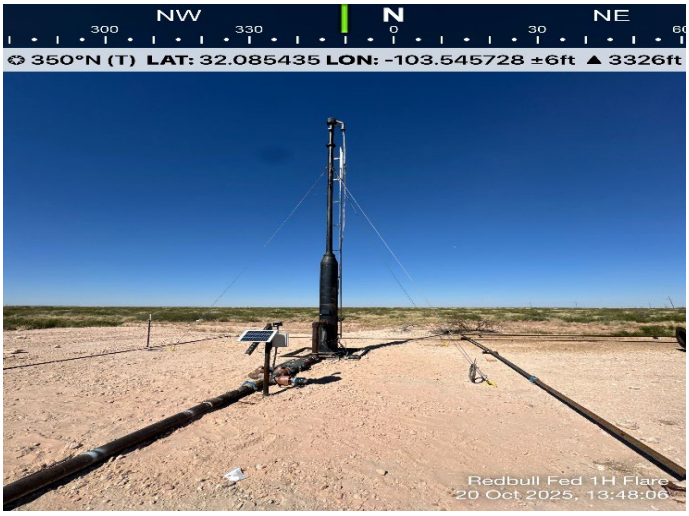
**COG Operating, LLC**

**Photograph No. 4**

**Facility:** Red Bull 35 Federal 1H (08.24.25)

**County:** Lea County, New Mexico

**Description:**
View North, area of backfilled excavation.



# APPENDIX C

CARMONA RESOURCES

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 498812

## QUESTIONS

| | |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137 |
| | Action Number:<br>498812 |
| | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

**QUESTIONS**

| **Location of Release Source** | |
|---|---|
| *Please answer all the questions in this group.* | |
| Site Name | Red Bull 35 Federal 1H |
| Date Release Discovered | 08/24/2025 |
| Surface Owner | Private |

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

| **Nature and Volume of Release** | |
|---|---|
| *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.* | |
| Crude Oil Released (bbls) Details | Cause: Equipment Failure \| Separator \| Crude Oil \| Released: 0 BBL \| Recovered: 0 BBL \| Lost: 0 BBL. |
| Produced Water Released (bbls) Details | *Not answered.* |
| Is the concentration of chloride in the produced water >10,000 mg/l | *Not answered.* |
| Condensate Released (bbls) Details | *Not answered.* |
| Natural Gas Vented (Mcf) Details | *Not answered.* |
| Natural Gas Flared (Mcf) Details | *Not answered.* |
| Other Released Details | *Not answered.* |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Emergency services were not notified Release was confined to the well pad Facility has been cleared by safety personnel |

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



## QUESTIONS (continued)

| Operator: | OGRID: |
|---|---|
| COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | 229137 |
| | Action Number:<br>498812 |
| | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

**QUESTIONS**

| **Nature and Volume of Release (continued)** | |
|---|---|
| Is this a gas only submission (i.e. only significant Mcf values reported) | **More volume information must be supplied to determine if this will be treated as a "gas only" report.** |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | **Yes** |
| Reasons why this would be considered a submission for a notification of a major release | **From paragraph A. "Major release" determine using:**<br>**(2) an unauthorized release of a volume that:**<br>**(a) results in a fire or is the result of a fire.** |
| *With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.* | |

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

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



## ACKNOWLEDGMENTS

| | |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137 |
| | Action Number:<br>498812 |
| | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

**ACKNOWLEDGMENTS**

| | |
|---|---|
| ☑ | I acknowledge that I am authorized to submit notification of a release on behalf of my operator. |
| ☑ | 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. |
| ☑ | 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. |
| ☑ | 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. |
| ☑ | 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. |
| ☑ | I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |

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



## CONDITIONS

| | |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137 |
| | Action Number:<br>498812 |
| | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| jlaird | When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141. | 8/25/2025 |

**Spill Calculation - On-Pad Surface Pool Spill**

| Convert Irregular shape into a series of rectangles | Length (ft.) | Width (ft.) | Average Depth (in.) | Estimated *Pool* Area (sq. ft.) | Estimated volume of each pool area (bbl.) | Penetration allowance (ft.) | Total Estimated Volume of Spill (bbl.) | Percentage of Oil if Spilled Fluid is a Mixture (%.) | Total Estimated Volume of Spilled Oil (bbl.) | Total Estimated Volume of Spilled Liquid other than Oil (bbl.) |
|---|---|---|---|---|---|---|---|---|---|---|
| Rectangle A | 10 | 8 | 1.0 | 80.00 | 0.47 | 0.00 | 0.48 | | 0.00 | 0.48 |
| Rectangle B | | | | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 |
| Rectangle C | | | | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 |
| Rectangle D | | | | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 |
| Rectangle E | | | | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 |
| Rectangle F | | | | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 |
| Rectangle G | | | | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 |
| Rectangle H | | | | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 |
| Rectangle I | | | | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 |
| Rectangle J | | | | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 |
| | | | Total Volume Released to Unlined Secondary Containment: | | | | 0.4766 | | 0.0000 | 0.4766 |

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

QUESTIONS

Action 499331

## QUESTIONS

| | |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137 |
| | Action Number:<br>499331 |
| | Action Type:<br>[C-141] Initial C-141 (C-141-v-Initial) |

**QUESTIONS**

| **Prerequisites** | |
|---|---|
| Incident ID (n#) | **nAPP2523735216** |
| Incident Name | **NAPP2523735216 RED BULL 35 FEDERAL 1H @ 30-025-34015** |
| Incident Type | **Oil Release** |
| Incident Status | **Initial C-141 Received** |
| Incident Well | **[30-025-34015] RED BULL 35 FEDERAL #001H** |

| **Location of Release Source** | |
|---|---|
| *Please answer all the questions in this group.* | |
| Site Name | Red Bull 35 Federal 1H |
| Date Release Discovered | 08/24/2025 |
| Surface Owner | Private |

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

| **Nature and Volume of Release** | |
|---|---|
| *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.* | |
| Crude Oil Released (bbls) Details | Cause: Equipment Failure \| Separator \| Crude Oil \| Released: 0 BBL \| Recovered: 0 BBL \| Lost: 0 BBL. |
| Produced Water Released (bbls) Details | *Not answered.* |
| Is the concentration of chloride in the produced water >10,000 mg/l | No |
| Condensate Released (bbls) Details | *Not answered.* |
| Natural Gas Vented (Mcf) Details | *Not answered.* |
| Natural Gas Flared (Mcf) Details | *Not answered.* |
| Other Released Details | *Not answered.* |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Emergency services were not notified Release was confined to the well pad Facility has been cleared by safety personnel |

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 (continued)

| | |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137 |
| | Action Number:<br>499331 |
| | Action Type:<br>[C-141] Initial C-141 (C-141-v-Initial) |

**QUESTIONS**

| **Nature and Volume of Release (continued)** | |
|---|---|
| Is this a gas only submission (i.e. only significant Mcf values reported) | **More info needed to determine if this will be treated as a "gas only" report.** |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | **Yes** |
| Reasons why this would be considered a submission for a notification of a major release | **From paragraph A. "Major release" determine using:<br>(2) an unauthorized release of a volume that:<br>(a) results in a fire or is the result of a fire.** |

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

| **Initial Response** | |
|---|---|
| *The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.* | |
| The source of the release has been stopped | True |
| The impacted area has been secured to protect human health and the environment | True |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True |
| All free liquids and recoverable materials have been removed and managed appropriately | True |
| If all the actions described above have not been undertaken, explain why | Emergency services were not notified Release was confined to the well pad Facility has been cleared by safety personnel |

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | |
|---|---|
| I hereby agree and sign off to the above statement | Name: Brittany Esparza<br>Title: Environmental Technician<br>Email: brittany.Esparza@ConocoPhillips.com<br>Date: 08/26/2025 |

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



## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137 |
| | Action Number:<br>499331 |
| | Action Type:<br>[C-141] Initial C-141 (C-141-v-Initial) |

**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) | *Not answered.* |
| What method was used to determine the depth to ground water | *Not answered.* |
| Did this release impact groundwater or surface water | *Not answered.* |
| **What is the minimum distance, between the closest lateral extents of the release and the following surface areas:** | |
| A continuously flowing watercourse or any other significant watercourse | *Not answered.* |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | *Not answered.* |
| An occupied permanent residence, school, hospital, institution, or church | *Not answered.* |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | *Not answered.* |
| Any other fresh water well or spring | *Not answered.* |
| Incorporated municipal boundaries or a defined municipal fresh water well field | *Not answered.* |
| A wetland | *Not answered.* |
| A subsurface mine | *Not answered.* |
| An (non-karst) unstable area | *Not answered.* |
| Categorize the risk of this well / site being in a karst geology | *Not answered.* |
| A 100-year floodplain | *Not answered.* |
| Did the release impact areas not on an exploration, development, production, or storage site | *Not answered.* |

| **Remediation Plan** | |
|---|---|
| *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 | No |
| *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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# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

CONDITIONS

Action 499331

## CONDITIONS

| | |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137 |
| | Action Number:<br>499331 |
| | Action Type:<br>[C-141] Initial C-141 (C-141-v-Initial) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| scott.rodgers | None | 8/26/2025 |

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 512335

## QUESTIONS

| | |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137 |
| | Action Number:<br>512335 |
| | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

| **Prerequisites** | |
|---|---|
| Incident ID (n#) | **nAPP2523735216** |
| Incident Name | **NAPP2523735216 RED BULL 35 FEDERAL 1H @ 30-025-34015** |
| Incident Type | **Oil Release** |
| Incident Status | **Initial C-141 Approved** |
| Incident Well | **[30-025-34015] RED BULL 35 FEDERAL #001H** |

| **Location of Release Source** | |
|---|---|
| Site Name | **Red Bull 35 Federal 1H** |
| Date Release Discovered | **08/24/2025** |
| Surface Owner | **Private** |

| **Sampling Event General Information**<br>*Please answer all the questions in this group.* | |
|---|---|
| What is the sampling surface area in square feet | 127 |
| What is the estimated number of samples that will be gathered | 6 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/08/2025 |
| Time sampling will commence | 10:30 AM |
| Please provide any information necessary for observers to contact samplers | Carmona Resources – 432-813-6823 |
| Please provide any information necessary for navigation to sampling site | 32.085487, -103.545730 |

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

| | |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137 |
| | Action Number:<br>512335 |
| | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| jlaird | 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. | 10/6/2025 |
| jlaird | 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. | 10/6/2025 |

# APPENDIX D

CARMONA RESOURCES

# Nearest Water Well

COG Operating

**Legend**

- 0.07 Miles
- 0.50 Mile Radius
- Groundwater Determination Bore
- Red Bull 35 Federal 1H (08.24.2025)

Red Bull 35 Federal 1H (08.24.2025)

106' GWDB - Drilled 2023

Google Earth





N

2000 ft

Low Karst

COG Operating

Legend

Low

Medium

Red Bull 35 Federal 1H (08.24.2025)

Red Bull 35 Federal 1H (08.24.2025)







N

2000 ft

*New Mexico Office of the State Engineer*

# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are smallest to largest) (meters) (In feet)

| POD Number | Code | Sub basin | County | Q64 | Q16 | Q4 | Sec | Tws | Range | X | Y | Map | Distance | Well Depth | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 02313 | | CUB | LE | NE | SW | SW | 26 | 25S | 33E | 636971.0 | 3552098.0 * | | 1287 | 150 | 110 | 40 |
| C 04628 POD1 | | CUB | LE | NW | NW | NE | 01 | 26S | 33E | 639120.7 | 3550219.3 | | 1982 | | | |
| C 02285 POD1 | | CUB | LE | NW | SE | SE | 03 | 26S | 33E | 636612.9 | 3548855.0 | | 2078 | 220 | 220 | 0 |
| C 02288 | | CUB | LE | SE | SE | SE | 03 | 26S | 33E | 636645.9 | 3548758.5 | | 2161 | 220 | 180 | 40 |
| C 02290 | | CUB | LE | SE | SE | SE | 03 | 26S | 33E | 636538.0 | 3548770.9 | | 2182 | 200 | 160 | 40 |
| C 02289 | | CUB | LE | SE | SE | SE | 03 | 26S | 33E | 636612.0 | 3548675.0 * | | 2251 | 200 | 160 | 40 |
| C 02286 | | CUB | LE | SW | SE | SE | 03 | 26S | 33E | 636469.5 | 3548714.8 | | 2257 | 220 | 175 | 45 |
| C 02287 | | C | LE | SW | SE | SE | 03 | 26S | 33E | 636427.4 | 3548708.1 | | 2278 | 220 | | |
| C 04698 POD1 | | CUB | LE | NE | NW | SE | 27 | 25S | 33E | 635651.9 | 3553287.5 | | 2917 | 80 | | |
| C 02291 | | CUB | LE | NW | NW | NE | 06 | 26S | 34E | 640825.0 | 3550140.0 * | | 3655 | 220 | 160 | 60 |
| C 03441 POD1 | | C | LE | SE | NW | NE | 06 | 26S | 34E | 640970.7 | 3550039.6 | | 3818 | 250 | | |
| C 02294 | | CUB | LE | SE | SE | SW | 11 | 26S | 33E | 637465.4 | 3547003.1 | | 3841 | 200 | 145 | 55 |
| C 02292 POD1 | | CUB | LE | SE | NW | NE | 06 | 26S | 34E | 640991.6 | 3549987.2 | | 3849 | 200 | 140 | 60 |
| C 02293 | | CUB | LE | NE | NE | NW | 14 | 26S | 33E | 637500.6 | 3546975.0 | | 3871 | 200 | 135 | 65 |
| C 03442 POD1 | | C | LE | SE | NW | NE | 06 | 26S | 34E | 641055.8 | 3550028.1 | | 3903 | 251 | | |

Average Depth to Water: **158 feet**

Minimum Depth: **110 feet**

Maximum Depth: **220 feet**

**Record Count:** 15

**UTM Filters (in meters):**

**Easting:** 637237.00

**Northing:** 3550838.00

**Radius:** 4000

*** UTM location was derived from PLSS - see Help**

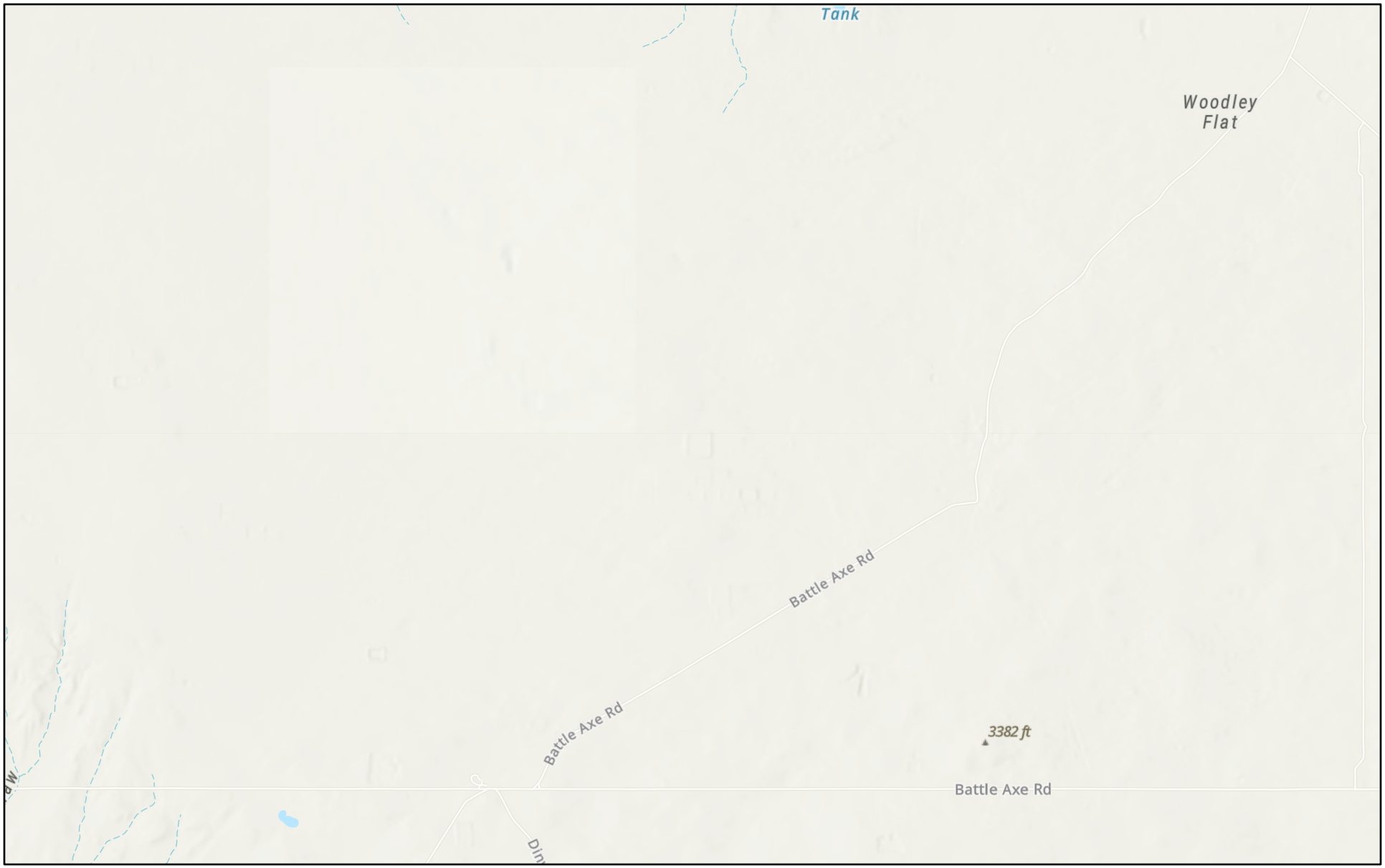
| ENSOLUM | Sample Name: BH01 | Date: 04/18/2023 |
|---|---|---|
| | Site Name: Redbull Federal 35 | |
| | Incident Number: nAPP2126444907 | |
| | Job Number: 03D2024004 | |
| **LITHOLOGIC / SOIL SAMPLING LOG** | Logged By: J. Falcomata | Method: Hollow Stem |
| Coordinates: 32.0848815, -103.5447991 | Hole Diameter: 5" | Total Depth: 106' |

Comments: Soil boring was advanced to a total depth of 106' bgs. No water was observed within the soil boring after at least 72 hours. On 04/21/2023 the soil boring was plugged and abandoned using hydrated bentonite chips.

| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Note: Driller injected well with a water and soap mixture @ 50' to help stabilize well and prevent cave in. Due to collapse, well cased @ 60' using 2" polypipe casing. |
| Dry | - | - | N | - | - | 10 | SP-SC | (10') SAND: fine grained - med grained, trace amounts med sized gravel, poorly graded, tan - yellow brown, no odor, non plastic, non cohesive. |
| Dry | - | - | N | - | - | 20 | SP-SM | (20') SAND: fine grained, slightly silty poorly graded, med-reddish brown, no odor, non plastic, non cohesive |
| Dry | - | - | N | - | - | 30 | SP-SM | (30') SAND: fine grained, slightly silty, poorly graded, reddish brown - slightly orange, no odor, non plastic, non cohesive. |
| Dry | - | - | N | - | - | 40 | SP-SM | (40') SAND: fine grained, slightly silty, poorly graded, orangish brown, no odor, non plastic, non cohesive. |
| Dry | - | - | N | - | - | 50 | SP-SM | (50') SAND: fine grained, silty, poorly sorted, orangish brown to medium brown, no odor, non plastic, non cohesive. |
| Dry | - | - | N | - | - | 60 | SP-SM | (60') SAND: fine grained, silty, poorly sorted, orangish brown to medium brown, no odor, non plastic, non cohesive. |
| Wet | - | - | N | - | - | 70 | SP-SM | (70') SAND: fine grained, silty, poorly graded, medium brown - tan, wet from injection, no odor, non plastic, non cohesive. |
| Wet | - | - | N | - | - | 80 | SP-SM | (80') SAND: fine grained, silty, poorly graded, , medium, wet from injection, no odor, non plastic, non cohesive. |
| Wet | - | - | N | - | - | 90 | SP-SM | (90') SAND: fine grained, silty, poorly graded, , medium, wet from injection, no odor, non plastic, non cohesive. |
| Wet | - | - | N | - | - | 100 | SP-SM | (100') SAND: fine grained, silty, poorly sorted, medium brown - brown, wet from injection, no odor, non plastic, non cohesive. |
| Wet | - | - | N | - | - | 106 | SP-SM | AA |

Total Depth @ 106 feet bgs

# Red Bull 35 Federal 1H (08.24.2025)




8/27/2025

World_Hillshade

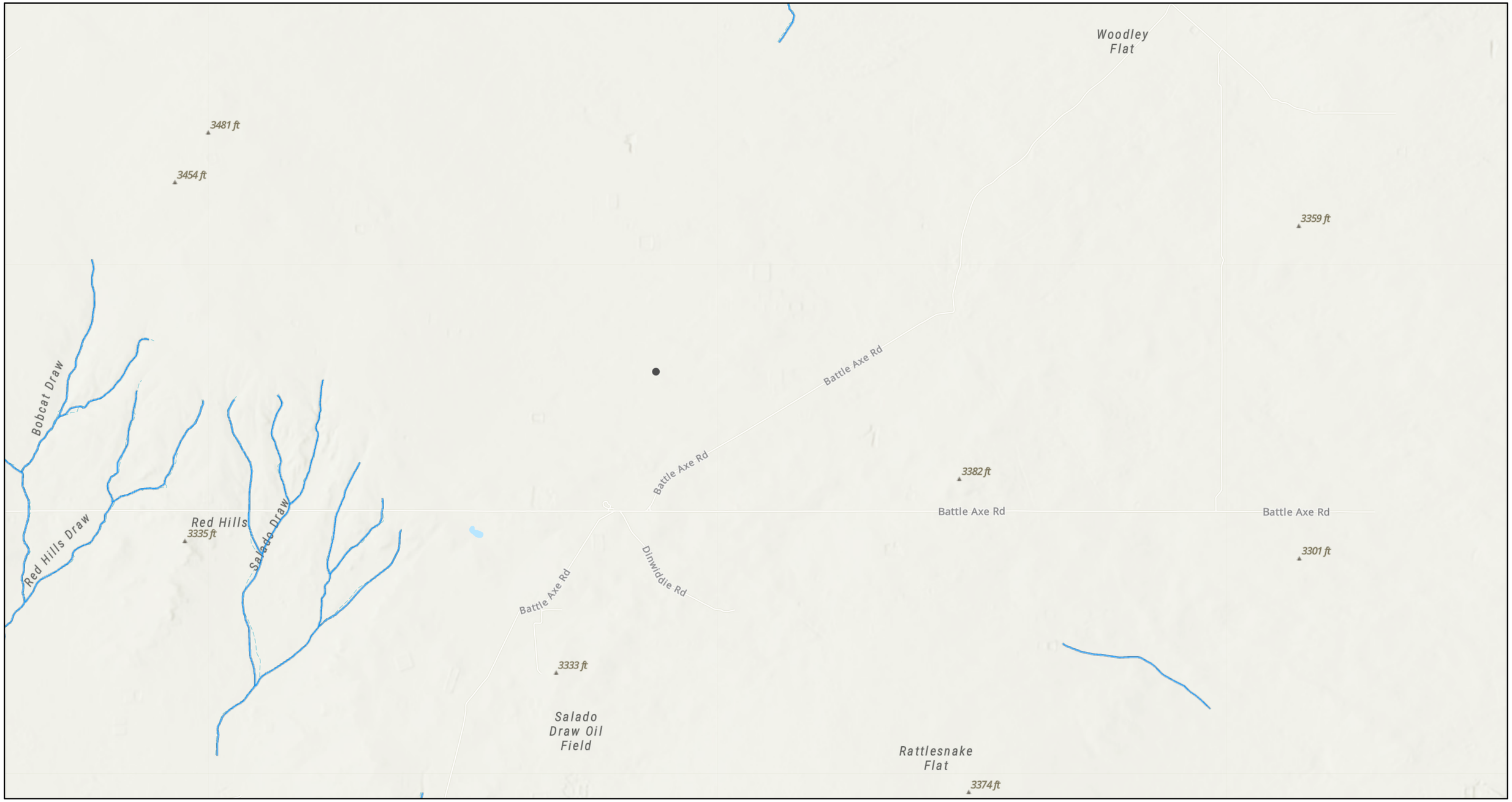
1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

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

# Red Bull 35 Federal 1H (08.24.2025)




8/27/2025, 10:48:05 AM

OSE Streams

1:72,224

0 0.75 1.5 3 mi

0 1.25 2.5 5 km

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





New Mexico Oil Conservation Division

# APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 9/10/2025 5:43:19 PM

## JOB DESCRIPTION

Red Bull 35 Federal 1H Flare Fire (08.24.25)
Lea County, New Mexico

## JOB NUMBER

880-62427-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.





my EOL

# 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
9/10/2025 5:43:19 PM

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

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Laboratory Job ID: 880-62427-1
SDG: Lea County, New Mexico

# Table of Contents

# Definitions/Glossary

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62427-1
SDG: Lea County, New Mexico

## Qualifiers

### GC VOA

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

### GC Semi VOA

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

### HPLC/IC

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

## Glossary

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

# Case Narrative

Client: Carmona Resources Job ID: 880-62427-1
Project: Red Bull 35 Federal 1H Flare Fire (08.24.25)

## Job ID: 880-62427-1 Eurofins Midland

**Job Narrative**
**880-62427-1**

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 9/9/2025 3:00 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 -3.2°C.

**Receipt Exceptions**
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-1') (880-62427-1), H-2 (0-1') (880-62427-2), H-3 (0-1') (880-62427-3), H-4 (0-1') (880-62427-4) and H-5 (0-1') (880-62427-5).

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

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

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

# Client Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62427-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-62427-1**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:50 | 09/10/25 12:15 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:15 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:15 | 1 |
| m,p-Xylenes | <0.00402 | U | 0.00402 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:15 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:15 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 12:15* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 12:15* | *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 | | | 09/10/25 12:15 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 09/10/25 12:41 | 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 | | 09/10/25 08:04 | 09/10/25 12:41 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 12:41 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 12:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *98* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 12:41* | *1* |
| *o-Terphenyl (Surr)* | *100* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 12:41* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **77.7** | | 9.92 | | mg/Kg | | | 09/10/25 12:41 | 1 |

## Client Sample ID: H-2 (0-1')

**Lab Sample ID: 880-62427-2**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:50 | 09/10/25 12:35 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:35 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:35 | 1 |
| m,p-Xylenes | <0.00398 | U | 0.00398 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:35 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:35 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:35 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 12:35* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 12:35* | *1* |

# Client Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62427-1
SDG: Lea County, New Mexico

## Client Sample ID: H-2 (0-1')

**Lab Sample ID: 880-62427-2**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

### 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 | | | 09/10/25 12:35 | 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 | | | 09/10/25 12:55 | 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 | | 09/10/25 08:04 | 09/10/25 12:55 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 12:55 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 12:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *96* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 12:55* | *1* |
| *o-Terphenyl (Surr)* | *98* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 12:55* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **77.4** | | 9.94 | | mg/Kg | | | 09/10/25 12:47 | 1 |

## Client Sample ID: H-3 (0-1')

**Lab Sample ID: 880-62427-3**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:50 | 09/10/25 12:56 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:56 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:56 | 1 |
| m,p-Xylenes | <0.00396 | U | 0.00396 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:56 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:56 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 12:56 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 12:56* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 12:56* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 09/10/25 12:56 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 09/10/25 13:09 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 13:09 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 13:09 | 1 |

# Client Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62427-1
SDG: Lea County, New Mexico

## Client Sample ID: H-3 (0-1')

**Lab Sample ID: 880-62427-3**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:04 | 09/10/25 13:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *99* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 13:09* | *1* |
| *o-Terphenyl (Surr)* | *101* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 13:09* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **122** | | 9.96 | | mg/Kg | | | 09/10/25 12:53 | 1 |

## Client Sample ID: H-4 (0-1')

**Lab Sample ID: 880-62427-4**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:50 | 09/10/25 13:16 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 13:16 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 13:16 | 1 |
| m,p-Xylenes | <0.00402 | U | 0.00402 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 13:16 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 13:16 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 13:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 13:16* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 13:16* | *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 | | | 09/10/25 13:16 | 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 | | | 09/10/25 13:23 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 13:23 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 13:23 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 13:23 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *95* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 13:23* | *1* |
| *o-Terphenyl (Surr)* | *96* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 13:23* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **76.5** | | 9.98 | | mg/Kg | | | 09/10/25 12:59 | 1 |

# Client Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62427-1
SDG: Lea County, New Mexico

## Client Sample ID: H-5 (0-1')

**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

## Lab Sample ID: 880-62427-5

**Matrix: Solid**

### 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 | | 09/10/25 08:50 | 09/10/25 13:37 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 13:37 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 13:37 | 1 |
| m,p-Xylenes | <0.00404 | U | 0.00404 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 13:37 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 13:37 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 13:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 13:37* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 13:37* | *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 | | | 09/10/25 13:37 | 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 | | | 09/10/25 13:37 | 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 | | 09/10/25 08:04 | 09/10/25 13:37 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 13:37 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 13:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *98* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 13:37* | *1* |
| *o-Terphenyl (Surr)* | *100* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 13:37* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **68.2** | | 9.92 | | mg/Kg | | | 09/10/25 13:04 | 1 |

# Surrogate Summary

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62427-1
SDG: Lea County, New Mexico

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

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | BFB1 | DFBZ1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 880-62426-A-1-E MS | Matrix Spike | 94 | 102 |
| 880-62426-A-1-F MSD | Matrix Spike Duplicate | 82 | 121 |
| 880-62427-1 | H-1 (0-1') | 93 | 99 |
| 880-62427-2 | H-2 (0-1') | 93 | 103 |
| 880-62427-3 | H-3 (0-1') | 95 | 104 |
| 880-62427-4 | H-4 (0-1') | 93 | 103 |
| 880-62427-5 | H-5 (0-1') | 97 | 101 |
| LCS 880-118594/1-A | Lab Control Sample | 96 | 93 |
| LCSD 880-118594/2-A | Lab Control Sample Dup | 97 | 90 |
| MB 880-118594/5-A | Method Blank | 84 | 113 |

**Surrogate Legend**

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

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

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | 1CO1 | OTPH1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 880-62426-A-1-C MS | Matrix Spike | 110 | 104 |
| 880-62426-A-1-D MSD | Matrix Spike Duplicate | 110 | 104 |
| 880-62427-1 | H-1 (0-1') | 98 | 100 |
| 880-62427-2 | H-2 (0-1') | 96 | 98 |
| 880-62427-3 | H-3 (0-1') | 99 | 101 |
| 880-62427-4 | H-4 (0-1') | 95 | 96 |
| 880-62427-5 | H-5 (0-1') | 98 | 100 |
| LCS 880-118585/2-A | Lab Control Sample | 109 | 105 |
| LCSD 880-118585/3-A | Lab Control Sample Dup | 107 | 103 |
| MB 880-118585/1-A | Method Blank | 108 | 110 |

**Surrogate Legend**

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

# QC Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62427-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: MB 880-118594/5-A**
**Matrix: Solid**
**Analysis Batch: 118589**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 118594**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 11:32 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 11:32 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 11:32 | 1 |
| m,p-Xylenes | <0.00400 | U | 0.00400 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 11:32 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 11:32 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 11:32 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *84* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 11:32* | *1* |
| *1,4-Difluorobenzene (Surr)* | *113* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 11:32* | *1* |

**Lab Sample ID: LCS 880-118594/1-A**
**Matrix: Solid**
**Analysis Batch: 118589**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 118594**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.08835 | | mg/Kg | | 88 | 70 - 130 |
| Toluene | 0.100 | 0.1015 | | mg/Kg | | 102 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.1029 | | mg/Kg | | 103 | 70 - 130 |
| m,p-Xylenes | 0.200 | 0.1910 | | mg/Kg | | 96 | 70 - 130 |
| o-Xylene | 0.100 | 0.09535 | | mg/Kg | | 95 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* |

**Lab Sample ID: LCSD 880-118594/2-A**
**Matrix: Solid**
**Analysis Batch: 118589**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 118594**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.09065 | | mg/Kg | | 91 | 70 - 130 | 3 | 35 |
| Toluene | 0.100 | 0.1038 | | mg/Kg | | 104 | 70 - 130 | 2 | 35 |
| Ethylbenzene | 0.100 | 0.1047 | | mg/Kg | | 105 | 70 - 130 | 2 | 35 |
| m,p-Xylenes | 0.200 | 0.1982 | | mg/Kg | | 99 | 70 - 130 | 4 | 35 |
| o-Xylene | 0.100 | 0.09863 | | mg/Kg | | 99 | 70 - 130 | 3 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* |

**Lab Sample ID: 880-62426-A-1-E MS**
**Matrix: Solid**
**Analysis Batch: 118589**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 118594**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.07672 | | mg/Kg | | 77 | 70 - 130 |
| Toluene | <0.00200 | U | 0.100 | 0.08570 | | mg/Kg | | 86 | 70 - 130 |

# QC Sample Results

Client: Carmona Resources
Job ID: 880-62427-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-62426-A-1-E MS** — **Client Sample ID: Matrix Spike**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 118589** — **Prep Batch: 118594**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | <0.00200 | U | 0.100 | 0.08128 | | mg/Kg | | 81 | 70 - 130 |
| m,p-Xylenes | <0.00399 | U | 0.200 | 0.1586 | | mg/Kg | | 79 | 70 - 130 |
| o-Xylene | <0.00200 | U | 0.100 | 0.07884 | | mg/Kg | | 79 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* |

**Lab Sample ID: 880-62426-A-1-F MSD** — **Client Sample ID: Matrix Spike Duplicate**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 118589** — **Prep Batch: 118594**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.1077 | | mg/Kg | | 108 | 70 - 130 | 34 | 35 |
| Toluene | <0.00200 | U | 0.100 | 0.08912 | | mg/Kg | | 89 | 70 - 130 | 4 | 35 |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.07846 | | mg/Kg | | 78 | 70 - 130 | 4 | 35 |
| m,p-Xylenes | <0.00399 | U | 0.200 | 0.1569 | | mg/Kg | | 78 | 70 - 130 | 1 | 35 |
| o-Xylene | <0.00200 | U | 0.100 | 0.07625 | | mg/Kg | | 76 | 70 - 130 | 3 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *82* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *121* | | *70 - 130* |

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

**Lab Sample ID: MB 880-118585/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 118622** — **Prep Batch: 118585**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 08:06 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 08:06 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 08:06 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *108* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 08:06* | *1* |
| *o-Terphenyl (Surr)* | *110* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 08:06* | *1* |

**Lab Sample ID: LCS 880-118585/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 118622** — **Prep Batch: 118585**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 956.1 | | mg/Kg | | 96 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 935.4 | | mg/Kg | | 94 | 70 - 130 |

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# QC Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62427-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: LCS 880-118585/2-A**
**Matrix: Solid**
**Analysis Batch: 118622**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 118585**

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane (Surr) | 109 | | 70 - 130 |
| o-Terphenyl (Surr) | 105 | | 70 - 130 |

**Lab Sample ID: LCSD 880-118585/3-A**
**Matrix: Solid**
**Analysis Batch: 118622**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 118585**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 944.4 | | mg/Kg | | 94 | 70 - 130 | 1 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 928.1 | | mg/Kg | | 93 | 70 - 130 | 1 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane (Surr) | 107 | | 70 - 130 |
| o-Terphenyl (Surr) | 103 | | 70 - 130 |

**Lab Sample ID: 880-62426-A-1-C MS**
**Matrix: Solid**
**Analysis Batch: 118622**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 118585**

| 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 | 999 | 957.3 | | mg/Kg | | 96 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 999 | 869.1 | | mg/Kg | | 87 | 70 - 130 |

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

**Lab Sample ID: 880-62426-A-1-D MSD**
**Matrix: Solid**
**Analysis Batch: 118622**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 118585**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 999 | 950.8 | | mg/Kg | | 95 | 70 - 130 | 1 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 999 | 863.4 | | mg/Kg | | 86 | 70 - 130 | 1 | 20 |

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

# QC Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62427-1
SDG: Lea County, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-118584/1-A**
**Matrix: Solid**
**Analysis Batch: 118600**

**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 | | | 09/10/25 11:31 | 1 |

**Lab Sample ID: LCS 880-118584/2-A**
**Matrix: Solid**
**Analysis Batch: 118600**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 265.8 | | mg/Kg | | 106 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-118584/3-A**
**Matrix: Solid**
**Analysis Batch: 118600**

**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 | 260.9 | | mg/Kg | | 104 | 90 - 110 | 2 | 20 |

**Lab Sample ID: 880-62370-A-13-C MS**
**Matrix: Solid**
**Analysis Batch: 118600**

**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 | 32.7 | | 252 | 307.9 | | mg/Kg | | 109 | 90 - 110 | | |

**Lab Sample ID: 880-62370-A-13-D MSD**
**Matrix: Solid**
**Analysis Batch: 118600**

**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 | 32.7 | | 252 | 305.5 | | mg/Kg | | 108 | 90 - 110 | 1 | 20 |

# QC Association Summary

Client: Carmona Resources
Job ID: 880-62427-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## GC VOA

### Analysis Batch: 118589

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62427-1 | H-1 (0-1') | Total/NA | Solid | 8021B | 118594 |
| 880-62427-2 | H-2 (0-1') | Total/NA | Solid | 8021B | 118594 |
| 880-62427-3 | H-3 (0-1') | Total/NA | Solid | 8021B | 118594 |
| 880-62427-4 | H-4 (0-1') | Total/NA | Solid | 8021B | 118594 |
| 880-62427-5 | H-5 (0-1') | Total/NA | Solid | 8021B | 118594 |
| MB 880-118594/5-A | Method Blank | Total/NA | Solid | 8021B | 118594 |
| LCS 880-118594/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 118594 |
| LCSD 880-118594/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 118594 |
| 880-62426-A-1-E MS | Matrix Spike | Total/NA | Solid | 8021B | 118594 |
| 880-62426-A-1-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 118594 |

### Prep Batch: 118594

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62427-1 | H-1 (0-1') | Total/NA | Solid | 5035 | |
| 880-62427-2 | H-2 (0-1') | Total/NA | Solid | 5035 | |
| 880-62427-3 | H-3 (0-1') | Total/NA | Solid | 5035 | |
| 880-62427-4 | H-4 (0-1') | Total/NA | Solid | 5035 | |
| 880-62427-5 | H-5 (0-1') | Total/NA | Solid | 5035 | |
| MB 880-118594/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-118594/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-118594/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-62426-A-1-E MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-62426-A-1-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 118647

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62427-1 | H-1 (0-1') | Total/NA | Solid | Total BTEX | |
| 880-62427-2 | H-2 (0-1') | Total/NA | Solid | Total BTEX | |
| 880-62427-3 | H-3 (0-1') | Total/NA | Solid | Total BTEX | |
| 880-62427-4 | H-4 (0-1') | Total/NA | Solid | Total BTEX | |
| 880-62427-5 | H-5 (0-1') | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Prep Batch: 118585

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62427-1 | H-1 (0-1') | Total/NA | Solid | 8015NM Prep | |
| 880-62427-2 | H-2 (0-1') | Total/NA | Solid | 8015NM Prep | |
| 880-62427-3 | H-3 (0-1') | Total/NA | Solid | 8015NM Prep | |
| 880-62427-4 | H-4 (0-1') | Total/NA | Solid | 8015NM Prep | |
| 880-62427-5 | H-5 (0-1') | Total/NA | Solid | 8015NM Prep | |
| MB 880-118585/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-118585/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-118585/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-62426-A-1-C MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-62426-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 118622

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62427-1 | H-1 (0-1') | Total/NA | Solid | 8015B NM | 118585 |
| 880-62427-2 | H-2 (0-1') | Total/NA | Solid | 8015B NM | 118585 |

# QC Association Summary

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62427-1
SDG: Lea County, New Mexico

## GC Semi VOA (Continued)

### Analysis Batch: 118622 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62427-3 | H-3 (0-1') | Total/NA | Solid | 8015B NM | 118585 |
| 880-62427-4 | H-4 (0-1') | Total/NA | Solid | 8015B NM | 118585 |
| 880-62427-5 | H-5 (0-1') | Total/NA | Solid | 8015B NM | 118585 |
| MB 880-118585/1-A | Method Blank | Total/NA | Solid | 8015B NM | 118585 |
| LCS 880-118585/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 118585 |
| LCSD 880-118585/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 118585 |
| 880-62426-A-1-C MS | Matrix Spike | Total/NA | Solid | 8015B NM | 118585 |
| 880-62426-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 118585 |

### Analysis Batch: 118652

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62427-1 | H-1 (0-1') | Total/NA | Solid | 8015 NM | |
| 880-62427-2 | H-2 (0-1') | Total/NA | Solid | 8015 NM | |
| 880-62427-3 | H-3 (0-1') | Total/NA | Solid | 8015 NM | |
| 880-62427-4 | H-4 (0-1') | Total/NA | Solid | 8015 NM | |
| 880-62427-5 | H-5 (0-1') | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 118584

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62427-1 | H-1 (0-1') | Soluble | Solid | DI Leach | |
| 880-62427-2 | H-2 (0-1') | Soluble | Solid | DI Leach | |
| 880-62427-3 | H-3 (0-1') | Soluble | Solid | DI Leach | |
| 880-62427-4 | H-4 (0-1') | Soluble | Solid | DI Leach | |
| 880-62427-5 | H-5 (0-1') | Soluble | Solid | DI Leach | |
| MB 880-118584/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-118584/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-118584/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-62370-A-13-C MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-62370-A-13-D MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

### Analysis Batch: 118600

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62427-1 | H-1 (0-1') | Soluble | Solid | 300.0 | 118584 |
| 880-62427-2 | H-2 (0-1') | Soluble | Solid | 300.0 | 118584 |
| 880-62427-3 | H-3 (0-1') | Soluble | Solid | 300.0 | 118584 |
| 880-62427-4 | H-4 (0-1') | Soluble | Solid | 300.0 | 118584 |
| 880-62427-5 | H-5 (0-1') | Soluble | Solid | 300.0 | 118584 |
| MB 880-118584/1-A | Method Blank | Soluble | Solid | 300.0 | 118584 |
| LCS 880-118584/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 118584 |
| LCSD 880-118584/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 118584 |
| 880-62370-A-13-C MS | Matrix Spike | Soluble | Solid | 300.0 | 118584 |
| 880-62370-A-13-D MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 118584 |

# Lab Chronicle

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62427-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-62427-1**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

| 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 | 118594 | 09/10/25 08:50 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 118589 | 09/10/25 12:15 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 118647 | 09/10/25 12:15 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 118652 | 09/10/25 12:41 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 118585 | 09/10/25 08:04 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 118622 | 09/10/25 12:41 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 118584 | 09/10/25 07:56 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 118600 | 09/10/25 12:41 | CS | EET MID |

## Client Sample ID: H-2 (0-1')

**Lab Sample ID: 880-62427-2**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

| 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 | 118594 | 09/10/25 08:50 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 118589 | 09/10/25 12:35 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 118647 | 09/10/25 12:35 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 118652 | 09/10/25 12:55 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 118585 | 09/10/25 08:04 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 118622 | 09/10/25 12:55 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 118584 | 09/10/25 07:56 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 118600 | 09/10/25 12:47 | CS | EET MID |

## Client Sample ID: H-3 (0-1')

**Lab Sample ID: 880-62427-3**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

| 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 | 118594 | 09/10/25 08:50 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 118589 | 09/10/25 12:56 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 118647 | 09/10/25 12:56 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 118652 | 09/10/25 13:09 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 118585 | 09/10/25 08:04 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 118622 | 09/10/25 13:09 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 118584 | 09/10/25 07:56 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 118600 | 09/10/25 12:53 | CS | EET MID |

## Client Sample ID: H-4 (0-1')

**Lab Sample ID: 880-62427-4**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

| 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 | 118594 | 09/10/25 08:50 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 118589 | 09/10/25 13:16 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 118647 | 09/10/25 13:16 | SA | EET MID |

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# Lab Chronicle

Client: Carmona Resources
Job ID: 880-62427-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## Client Sample ID: H-4 (0-1')
**Lab Sample ID: 880-62427-4**

**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

| 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 | | | 118652 | 09/10/25 13:23 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 118585 | 09/10/25 08:04 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 118622 | 09/10/25 13:23 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 118584 | 09/10/25 07:56 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 118600 | 09/10/25 12:59 | CS | EET MID |

## Client Sample ID: H-5 (0-1')
**Lab Sample ID: 880-62427-5**

**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

| 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 | 118594 | 09/10/25 08:50 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 118589 | 09/10/25 13:37 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 118647 | 09/10/25 13:37 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 118652 | 09/10/25 13:37 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 118585 | 09/10/25 08:04 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 118622 | 09/10/25 13:37 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 118584 | 09/10/25 07:56 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 118600 | 09/10/25 13:04 | 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
Job ID: 880-62427-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
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 |

# Method Summary

Client: Carmona Resources
Job ID: 880-62427-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
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: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62427-1
SDG: Lea County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---|---|---|---|---|---|
| 880-62427-1 | H-1 (0-1') | Solid | 09/04/25 00:00 | 09/09/25 15:00 | New Mexico |
| 880-62427-2 | H-2 (0-1') | Solid | 09/04/25 00:00 | 09/09/25 15:00 | New Mexico |
| 880-62427-3 | H-3 (0-1') | Solid | 09/04/25 00:00 | 09/09/25 15:00 | New Mexico |
| 880-62427-4 | H-4 (0-1') | Solid | 09/04/25 00:00 | 09/09/25 15:00 | New Mexico |
| 880-62427-5 | H-5 (0-1') | Solid | 09/04/25 00:00 | 09/09/25 15:00 | New Mexico |

# Chain of Custody

880-62427 Chain of Custody



| | | | |
|---|---|---|---|
| Project Manager: | Conner Moehring | Bill to: (if different) | Carmona Resources |
| Company Name: | Carmona Resources | Company Name: | |
| Address: | 310 W Wall St Ste 500 | Address: | |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | |
| Phone: | 432-813-6823 | Email: | mcarmona@carmonaresources.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Red Bull 35 Federal 1H Flare Fire (08.24.25) | Turn Around | ☐ Routine ☑ Rush |
| Project Number: | 2846 | | |
| Project Location | Lea County, New Mexico | Due Date: | 72 Hour TAT |
| Sampler's Name: | JM | | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | (Yes) No |
| Received Intact: | (Yes) No | Thermometer ID: | IR8 |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | -3.1 |
| Total Containers: | | Corrected Temperature: | -3.2 |

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 300.0 |
|---|---|---|---|---|---|---|---|---|---|
| H-1 (0-1') | 9/4/2025 | | X | | G | 1 | X | X | X |
| H-2 (0-1') | 9/4/2025 | | X | | G | 1 | X | X | X |
| H-3 (0-1') | 9/4/2025 | | X | | G | 1 | X | X | X |
| H-4 (0-1') | 9/4/2025 | | X | | G | 1 | X | X | X |
| H-5 (0-1') | 9/4/2025 | | X | | G | 1 | X | X | X |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2S0_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

**Sample Comments**

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

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|---|---|---|---|
| | | | 9/4/25 1500 |

# Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-62427-1
SDG Number: Lea County, New Mexico

**Login Number: 62427**
**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 | |

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 9/11/2025 3:19:06 PM

## JOB DESCRIPTION

Red Bull 35 Federal 1H Flare Fire (08.24.25)
Lea County, New Mexico

## JOB NUMBER

880-62428-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.





my EOL

# 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
9/11/2025 3:19:06 PM

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

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Laboratory Job ID: 880-62428-1
SDG: Lea County, New Mexico

# Table of Contents

# Definitions/Glossary

Client: Carmona Resources
Job ID: 880-62428-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## Qualifiers

### GC VOA

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

### GC Semi VOA

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

### HPLC/IC

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

## Glossary

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

# Case Narrative

Client: Carmona Resources Job ID: 880-62428-1
Project: Red Bull 35 Federal 1H Flare Fire (08.24.25)

## Job ID: 880-62428-1 Eurofins Midland

**Job Narrative**
**880-62428-1**

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 9/9/2025 3:00 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 -3.2°C.

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

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

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

# Client Sample Results

Client: Carmona Resources
Job ID: 880-62428-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## Client Sample ID: S-1 (0-3")

**Lab Sample ID: 880-62428-1**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:50 | 09/10/25 16:33 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 16:33 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 16:33 | 1 |
| m,p-Xylenes | <0.00398 | U | 0.00398 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 16:33 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 16:33 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 16:33 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *90* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 16:33* | *1* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 16:33* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 09/10/25 16:33 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **116** | | 50.0 | | mg/Kg | | | 09/10/25 13:52 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 13:52 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **116** | | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 13:52 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 13:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *99* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 13:52* | *1* |
| *o-Terphenyl (Surr)* | *105* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 13:52* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **325** | | 9.94 | | mg/Kg | | | 09/10/25 13:10 | 1 |

## Client Sample ID: S-1 (6")

**Lab Sample ID: 880-62428-2**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:50 | 09/10/25 16:53 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 16:53 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 16:53 | 1 |
| m,p-Xylenes | <0.00397 | U | 0.00397 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 16:53 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 16:53 | 1 |
| Xylenes, Total | <0.00397 | U | 0.00397 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 16:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 16:53* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 16:53* | *1* |

# Client Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62428-1
SDG: Lea County, New Mexico

## Client Sample ID: S-1 (6")

**Lab Sample ID: 880-62428-2**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00397 | U | 0.00397 | | mg/Kg | | | 09/10/25 16:53 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 09/10/25 14:06 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 14:06 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 14:06 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 14:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *93* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 14:06* | *1* |
| *o-Terphenyl (Surr)* | *95* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 14:06* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **539** | | 9.98 | | mg/Kg | | | 09/10/25 15:00 | 1 |

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

**Lab Sample ID: 880-62428-3**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:50 | 09/10/25 17:14 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:14 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:14 | 1 |
| m,p-Xylenes | <0.00402 | U | 0.00402 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:14 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:14 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 17:14* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 17:14* | *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 | | | 09/10/25 17:14 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **66.8** | | 50.0 | | mg/Kg | | | 09/10/25 14:19 | 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 | | 09/10/25 08:04 | 09/10/25 14:19 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **66.8** | | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 14:19 | 1 |

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# Client Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62428-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-62428-3**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:04 | 09/10/25 14:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *96* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 14:19* | *1* |
| *o-Terphenyl (Surr)* | *100* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 14:19* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **585** | | 10.1 | | mg/Kg | | | 09/10/25 15:06 | 1 |

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

**Lab Sample ID: 880-62428-4**
**Matrix: Solid**
**Date Collected: 09/04/25 00:00**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:50 | 09/10/25 17:34 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:34 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:34 | 1 |
| m,p-Xylenes | <0.00404 | U | 0.00404 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:34 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:34 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:34 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 17:34* | *1* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 17:34* | *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 | | | 09/10/25 17:34 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 09/10/25 14:33 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 14:33 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 14:33 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 14:33 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *93* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 14:33* | *1* |
| *o-Terphenyl (Surr)* | *97* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 14:33* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **654** | | 10.1 | | mg/Kg | | | 09/10/25 15:24 | 1 |

# Client Sample Results

Client: Carmona Resources
Job ID: 880-62428-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## Client Sample ID: S-2 (0-3")

**Lab Sample ID: 880-62428-5**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:50 | 09/10/25 17:54 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:54 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:54 | 1 |
| m,p-Xylenes | <0.00398 | U | 0.00398 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:54 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:54 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 17:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 17:54* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 17:54* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 09/10/25 17:54 | 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 | | | 09/10/25 15:02 | 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 | <49.8 | U | 49.8 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 15:02 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 15:02 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 15:02 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *104* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 15:02* | *1* |
| *o-Terphenyl (Surr)* | *105* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 15:02* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **25.4** | | 9.96 | | mg/Kg | | | 09/10/25 15:30 | 1 |

## Client Sample ID: S-2 (6")

**Lab Sample ID: 880-62428-6**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:50 | 09/10/25 18:15 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 18:15 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 18:15 | 1 |
| m,p-Xylenes | <0.00396 | U | 0.00396 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 18:15 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 18:15 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 18:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 18:15* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 18:15* | *1* |

# Client Sample Results

Client: Carmona Resources
Job ID: 880-62428-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## Client Sample ID: S-2 (6")
**Lab Sample ID: 880-62428-6**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

### 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 | | | 09/10/25 18:15 | 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 | | | 09/10/25 15:17 | 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 | | 09/10/25 08:04 | 09/10/25 15:17 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 15:17 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 15:17 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *98* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 15:17* | *1* |
| *o-Terphenyl (Surr)* | *100* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 15:17* | *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 | | | 09/10/25 15:35 | 1 |

## Client Sample ID: S-2 (1')
**Lab Sample ID: 880-62428-7**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:50 | 09/10/25 18:35 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 18:35 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 18:35 | 1 |
| m,p-Xylenes | <0.00402 | U | 0.00402 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 18:35 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 18:35 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 18:35 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 18:35* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 18:35* | *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 | | | 09/10/25 18:35 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **77.1** | | 50.0 | | mg/Kg | | | 09/10/25 15:31 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 15:31 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **77.1** | | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 15:31 | 1 |

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# Client Sample Results

Client: Carmona Resources
Job ID: 880-62428-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## Client Sample ID: S-2 (1')
**Lab Sample ID: 880-62428-7**

**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

### 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 | | 09/10/25 08:04 | 09/10/25 15:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *99* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 15:31* | *1* |
| *o-Terphenyl (Surr)* | *103* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 15:31* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 597 | | 10.0 | | mg/Kg | | | 09/10/25 15:41 | 1 |

# Surrogate Summary

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62428-1
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) |
|---|---|---|---|
| 880-62426-A-1-E MS | Matrix Spike | 94 | 102 |
| 880-62426-A-1-F MSD | Matrix Spike Duplicate | 82 | 121 |
| 880-62428-1 | S-1 (0-3") | 90 | 106 |
| 880-62428-2 | S-1 (6") | 96 | 103 |
| 880-62428-3 | S-1 (1') | 92 | 104 |
| 880-62428-4 | S-1 (1.5') | 95 | 104 |
| 880-62428-5 | S-2 (0-3") | 92 | 101 |
| 880-62428-6 | S-2 (6") | 97 | 103 |
| 880-62428-7 | S-2 (1') | 96 | 103 |
| LCS 880-118594/1-A | Lab Control Sample | 96 | 93 |
| LCSD 880-118594/2-A | Lab Control Sample Dup | 97 | 90 |
| MB 880-118594/5-A | Method Blank | 84 | 113 |

**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) |
|---|---|---|---|
| 880-62426-A-1-C MS | Matrix Spike | 110 | 104 |
| 880-62426-A-1-D MSD | Matrix Spike Duplicate | 110 | 104 |
| 880-62428-1 | S-1 (0-3") | 99 | 105 |
| 880-62428-2 | S-1 (6") | 93 | 95 |
| 880-62428-3 | S-1 (1') | 96 | 100 |
| 880-62428-4 | S-1 (1.5') | 93 | 97 |
| 880-62428-5 | S-2 (0-3") | 104 | 105 |
| 880-62428-6 | S-2 (6") | 98 | 100 |
| 880-62428-7 | S-2 (1') | 99 | 103 |
| LCS 880-118585/2-A | Lab Control Sample | 109 | 105 |
| LCSD 880-118585/3-A | Lab Control Sample Dup | 107 | 103 |
| MB 880-118585/1-A | Method Blank | 108 | 110 |

**Surrogate Legend**

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

# QC Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62428-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: MB 880-118594/5-A**
**Matrix: Solid**
**Analysis Batch: 118589**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 118594**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 11:32 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 11:32 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 11:32 | 1 |
| m,p-Xylenes | <0.00400 | U | 0.00400 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 11:32 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 11:32 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 09/10/25 08:50 | 09/10/25 11:32 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *84* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 11:32* | *1* |
| *1,4-Difluorobenzene (Surr)* | *113* | | *70 - 130* | *09/10/25 08:50* | *09/10/25 11:32* | *1* |

**Lab Sample ID: LCS 880-118594/1-A**
**Matrix: Solid**
**Analysis Batch: 118589**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 118594**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.08835 | | mg/Kg | | 88 | 70 - 130 |
| Toluene | 0.100 | 0.1015 | | mg/Kg | | 102 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.1029 | | mg/Kg | | 103 | 70 - 130 |
| m,p-Xylenes | 0.200 | 0.1910 | | mg/Kg | | 96 | 70 - 130 |
| o-Xylene | 0.100 | 0.09535 | | mg/Kg | | 95 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* |

**Lab Sample ID: LCSD 880-118594/2-A**
**Matrix: Solid**
**Analysis Batch: 118589**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 118594**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.09065 | | mg/Kg | | 91 | 70 - 130 | 3 | 35 |
| Toluene | 0.100 | 0.1038 | | mg/Kg | | 104 | 70 - 130 | 2 | 35 |
| Ethylbenzene | 0.100 | 0.1047 | | mg/Kg | | 105 | 70 - 130 | 2 | 35 |
| m,p-Xylenes | 0.200 | 0.1982 | | mg/Kg | | 99 | 70 - 130 | 4 | 35 |
| o-Xylene | 0.100 | 0.09863 | | mg/Kg | | 99 | 70 - 130 | 3 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* |

**Lab Sample ID: 880-62426-A-1-E MS**
**Matrix: Solid**
**Analysis Batch: 118589**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 118594**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.07672 | | mg/Kg | | 77 | 70 - 130 |
| Toluene | <0.00200 | U | 0.100 | 0.08570 | | mg/Kg | | 86 | 70 - 130 |

# QC Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62428-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-62426-A-1-E MS**
**Matrix: Solid**
**Analysis Batch: 118589**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 118594**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | <0.00200 | U | 0.100 | 0.08128 | | mg/Kg | | 81 | 70 - 130 |
| m,p-Xylenes | <0.00399 | U | 0.200 | 0.1586 | | mg/Kg | | 79 | 70 - 130 |
| o-Xylene | <0.00200 | U | 0.100 | 0.07884 | | mg/Kg | | 79 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* |

**Lab Sample ID: 880-62426-A-1-F MSD**
**Matrix: Solid**
**Analysis Batch: 118589**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 118594**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.1077 | | mg/Kg | | 108 | 70 - 130 | 34 | 35 |
| Toluene | <0.00200 | U | 0.100 | 0.08912 | | mg/Kg | | 89 | 70 - 130 | 4 | 35 |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.07846 | | mg/Kg | | 78 | 70 - 130 | 4 | 35 |
| m,p-Xylenes | <0.00399 | U | 0.200 | 0.1569 | | mg/Kg | | 78 | 70 - 130 | 1 | 35 |
| o-Xylene | <0.00200 | U | 0.100 | 0.07625 | | mg/Kg | | 76 | 70 - 130 | 3 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *82* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *121* | | *70 - 130* |

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

**Lab Sample ID: MB 880-118585/1-A**
**Matrix: Solid**
**Analysis Batch: 118622**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 118585**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 08:06 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 08:06 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 09/10/25 08:04 | 09/10/25 08:06 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *108* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 08:06* | *1* |
| *o-Terphenyl (Surr)* | *110* | | *70 - 130* | *09/10/25 08:04* | *09/10/25 08:06* | *1* |

**Lab Sample ID: LCS 880-118585/2-A**
**Matrix: Solid**
**Analysis Batch: 118622**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 118585**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 956.1 | | mg/Kg | | 96 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 935.4 | | mg/Kg | | 94 | 70 - 130 |

Eurofins Midland

# QC Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62428-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: LCS 880-118585/2-A**
**Matrix: Solid**
**Analysis Batch: 118622**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 118585**

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane (Surr) | 109 | | 70 - 130 |
| o-Terphenyl (Surr) | 105 | | 70 - 130 |

**Lab Sample ID: LCSD 880-118585/3-A**
**Matrix: Solid**
**Analysis Batch: 118622**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 118585**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 944.4 | | mg/Kg | | 94 | 70 - 130 | 1 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 928.1 | | mg/Kg | | 93 | 70 - 130 | 1 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane (Surr) | 107 | | 70 - 130 |
| o-Terphenyl (Surr) | 103 | | 70 - 130 |

**Lab Sample ID: 880-62426-A-1-C MS**
**Matrix: Solid**
**Analysis Batch: 118622**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 118585**

| 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 | 999 | 957.3 | | mg/Kg | | 96 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 999 | 869.1 | | mg/Kg | | 87 | 70 - 130 |

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

**Lab Sample ID: 880-62426-A-1-D MSD**
**Matrix: Solid**
**Analysis Batch: 118622**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 118585**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 999 | 950.8 | | mg/Kg | | 95 | 70 - 130 | 1 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 999 | 863.4 | | mg/Kg | | 86 | 70 - 130 | 1 | 20 |

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

# QC Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62428-1
SDG: Lea County, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-118584/1-A**
**Matrix: Solid**
**Analysis Batch: 118600**

**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 | | | 09/10/25 11:31 | 1 |

**Lab Sample ID: LCS 880-118584/2-A**
**Matrix: Solid**
**Analysis Batch: 118600**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 265.8 | | mg/Kg | | 106 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-118584/3-A**
**Matrix: Solid**
**Analysis Batch: 118600**

**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 | 260.9 | | mg/Kg | | 104 | 90 - 110 | 2 | 20 |

**Lab Sample ID: 880-62428-1 MS**
**Matrix: Solid**
**Analysis Batch: 118600**

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

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 325 | | 249 | 573.8 | | mg/Kg | | 100 | 90 - 110 | | |

**Lab Sample ID: 880-62428-1 MSD**
**Matrix: Solid**
**Analysis Batch: 118600**

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

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 325 | | 249 | 572.1 | | mg/Kg | | 99 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-62428-1
SDG: Lea County, New Mexico

## GC VOA

### Analysis Batch: 118589

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62428-1 | S-1 (0-3") | Total/NA | Solid | 8021B | 118594 |
| 880-62428-2 | S-1 (6") | Total/NA | Solid | 8021B | 118594 |
| 880-62428-3 | S-1 (1') | Total/NA | Solid | 8021B | 118594 |
| 880-62428-4 | S-1 (1.5') | Total/NA | Solid | 8021B | 118594 |
| 880-62428-5 | S-2 (0-3") | Total/NA | Solid | 8021B | 118594 |
| 880-62428-6 | S-2 (6") | Total/NA | Solid | 8021B | 118594 |
| 880-62428-7 | S-2 (1') | Total/NA | Solid | 8021B | 118594 |
| MB 880-118594/5-A | Method Blank | Total/NA | Solid | 8021B | 118594 |
| LCS 880-118594/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 118594 |
| LCSD 880-118594/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 118594 |
| 880-62426-A-1-E MS | Matrix Spike | Total/NA | Solid | 8021B | 118594 |
| 880-62426-A-1-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 118594 |

### Prep Batch: 118594

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62428-1 | S-1 (0-3") | Total/NA | Solid | 5035 | |
| 880-62428-2 | S-1 (6") | Total/NA | Solid | 5035 | |
| 880-62428-3 | S-1 (1') | Total/NA | Solid | 5035 | |
| 880-62428-4 | S-1 (1.5') | Total/NA | Solid | 5035 | |
| 880-62428-5 | S-2 (0-3") | Total/NA | Solid | 5035 | |
| 880-62428-6 | S-2 (6") | Total/NA | Solid | 5035 | |
| 880-62428-7 | S-2 (1') | Total/NA | Solid | 5035 | |
| MB 880-118594/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-118594/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-118594/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-62426-A-1-E MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-62426-A-1-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 118669

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62428-1 | S-1 (0-3") | Total/NA | Solid | Total BTEX | |
| 880-62428-2 | S-1 (6") | Total/NA | Solid | Total BTEX | |
| 880-62428-3 | S-1 (1') | Total/NA | Solid | Total BTEX | |
| 880-62428-4 | S-1 (1.5') | Total/NA | Solid | Total BTEX | |
| 880-62428-5 | S-2 (0-3") | Total/NA | Solid | Total BTEX | |
| 880-62428-6 | S-2 (6") | Total/NA | Solid | Total BTEX | |
| 880-62428-7 | S-2 (1') | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Prep Batch: 118585

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62428-1 | S-1 (0-3") | Total/NA | Solid | 8015NM Prep | |
| 880-62428-2 | S-1 (6") | Total/NA | Solid | 8015NM Prep | |
| 880-62428-3 | S-1 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-62428-4 | S-1 (1.5') | Total/NA | Solid | 8015NM Prep | |
| 880-62428-5 | S-2 (0-3") | Total/NA | Solid | 8015NM Prep | |
| 880-62428-6 | S-2 (6") | Total/NA | Solid | 8015NM Prep | |
| 880-62428-7 | S-2 (1') | Total/NA | Solid | 8015NM Prep | |
| MB 880-118585/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-118585/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |

# QC Association Summary

Client: Carmona Resources
Job ID: 880-62428-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## GC Semi VOA (Continued)

### Prep Batch: 118585 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCSD 880-118585/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-62426-A-1-C MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-62426-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 118622

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62428-1 | S-1 (0-3") | Total/NA | Solid | 8015B NM | 118585 |
| 880-62428-2 | S-1 (6") | Total/NA | Solid | 8015B NM | 118585 |
| 880-62428-3 | S-1 (1') | Total/NA | Solid | 8015B NM | 118585 |
| 880-62428-4 | S-1 (1.5') | Total/NA | Solid | 8015B NM | 118585 |
| 880-62428-5 | S-2 (0-3") | Total/NA | Solid | 8015B NM | 118585 |
| 880-62428-6 | S-2 (6") | Total/NA | Solid | 8015B NM | 118585 |
| 880-62428-7 | S-2 (1') | Total/NA | Solid | 8015B NM | 118585 |
| MB 880-118585/1-A | Method Blank | Total/NA | Solid | 8015B NM | 118585 |
| LCS 880-118585/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 118585 |
| LCSD 880-118585/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 118585 |
| 880-62426-A-1-C MS | Matrix Spike | Total/NA | Solid | 8015B NM | 118585 |
| 880-62426-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 118585 |

### Analysis Batch: 118653

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62428-1 | S-1 (0-3") | Total/NA | Solid | 8015 NM | |
| 880-62428-2 | S-1 (6") | Total/NA | Solid | 8015 NM | |
| 880-62428-3 | S-1 (1') | Total/NA | Solid | 8015 NM | |
| 880-62428-4 | S-1 (1.5') | Total/NA | Solid | 8015 NM | |
| 880-62428-5 | S-2 (0-3") | Total/NA | Solid | 8015 NM | |
| 880-62428-6 | S-2 (6") | Total/NA | Solid | 8015 NM | |
| 880-62428-7 | S-2 (1') | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 118584

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62428-1 | S-1 (0-3") | Soluble | Solid | DI Leach | |
| 880-62428-2 | S-1 (6") | Soluble | Solid | DI Leach | |
| 880-62428-3 | S-1 (1') | Soluble | Solid | DI Leach | |
| 880-62428-4 | S-1 (1.5') | Soluble | Solid | DI Leach | |
| 880-62428-5 | S-2 (0-3") | Soluble | Solid | DI Leach | |
| 880-62428-6 | S-2 (6") | Soluble | Solid | DI Leach | |
| 880-62428-7 | S-2 (1') | Soluble | Solid | DI Leach | |
| MB 880-118584/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-118584/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-118584/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-62428-1 MS | S-1 (0-3") | Soluble | Solid | DI Leach | |
| 880-62428-1 MSD | S-1 (0-3") | Soluble | Solid | DI Leach | |

### Analysis Batch: 118600

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62428-1 | S-1 (0-3") | Soluble | Solid | 300.0 | 118584 |
| 880-62428-2 | S-1 (6") | Soluble | Solid | 300.0 | 118584 |
| 880-62428-3 | S-1 (1') | Soluble | Solid | 300.0 | 118584 |

# QC Association Summary

Client: Carmona Resources
Job ID: 880-62428-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## HPLC/IC (Continued)

### Analysis Batch: 118600 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-62428-4 | S-1 (1.5') | Soluble | Solid | 300.0 | 118584 |
| 880-62428-5 | S-2 (0-3") | Soluble | Solid | 300.0 | 118584 |
| 880-62428-6 | S-2 (6") | Soluble | Solid | 300.0 | 118584 |
| 880-62428-7 | S-2 (1') | Soluble | Solid | 300.0 | 118584 |
| MB 880-118584/1-A | Method Blank | Soluble | Solid | 300.0 | 118584 |
| LCS 880-118584/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 118584 |
| LCSD 880-118584/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 118584 |
| 880-62428-1 MS | S-1 (0-3") | Soluble | Solid | 300.0 | 118584 |
| 880-62428-1 MSD | S-1 (0-3") | Soluble | Solid | 300.0 | 118584 |

# Lab Chronicle

Client: Carmona Resources
Job ID: 880-62428-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## Client Sample ID: S-1 (0-3")
**Lab Sample ID: 880-62428-1**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

| 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 | 118594 | 09/10/25 08:50 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 118589 | 09/10/25 16:33 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 118669 | 09/10/25 16:33 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 118653 | 09/10/25 13:52 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 118585 | 09/10/25 08:04 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 118622 | 09/10/25 13:52 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 118584 | 09/10/25 07:56 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 118600 | 09/10/25 13:10 | CS | EET MID |

## Client Sample ID: S-1 (6")
**Lab Sample ID: 880-62428-2**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.04 g | 5 mL | 118594 | 09/10/25 08:50 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 118589 | 09/10/25 16:53 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 118669 | 09/10/25 16:53 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 118653 | 09/10/25 14:06 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 118585 | 09/10/25 08:04 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 118622 | 09/10/25 14:06 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 118584 | 09/10/25 07:56 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 118600 | 09/10/25 15:00 | CS | EET MID |

## Client Sample ID: S-1 (1')
**Lab Sample ID: 880-62428-3**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

| 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 | 118594 | 09/10/25 08:50 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 118589 | 09/10/25 17:14 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 118669 | 09/10/25 17:14 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 118653 | 09/10/25 14:19 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 118585 | 09/10/25 08:04 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 118622 | 09/10/25 14:19 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 118584 | 09/10/25 07:56 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 118600 | 09/10/25 15:06 | CS | EET MID |

## Client Sample ID: S-1 (1.5')
**Lab Sample ID: 880-62428-4**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

| 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 | 118594 | 09/10/25 08:50 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 118589 | 09/10/25 17:34 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 118669 | 09/10/25 17:34 | SA | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Carmona Resources
Job ID: 880-62428-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## Client Sample ID: S-1 (1.5')
**Lab Sample ID: 880-62428-4**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

| 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 | | | 118653 | 09/10/25 14:33 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 118585 | 09/10/25 08:04 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 118622 | 09/10/25 14:33 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 118584 | 09/10/25 07:56 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 118600 | 09/10/25 15:24 | CS | EET MID |

## Client Sample ID: S-2 (0-3")
**Lab Sample ID: 880-62428-5**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

| 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 | 118594 | 09/10/25 08:50 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 118589 | 09/10/25 17:54 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 118669 | 09/10/25 17:54 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 118653 | 09/10/25 15:02 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 118585 | 09/10/25 08:04 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 118622 | 09/10/25 15:02 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 118584 | 09/10/25 07:56 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 118600 | 09/10/25 15:30 | CS | EET MID |

## Client Sample ID: S-2 (6")
**Lab Sample ID: 880-62428-6**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

| 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 | 118594 | 09/10/25 08:50 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 118589 | 09/10/25 18:15 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 118669 | 09/10/25 18:15 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 118653 | 09/10/25 15:17 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 118585 | 09/10/25 08:04 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 118622 | 09/10/25 15:17 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 118584 | 09/10/25 07:56 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 118600 | 09/10/25 15:35 | CS | EET MID |

## Client Sample ID: S-2 (1')
**Lab Sample ID: 880-62428-7**
**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

| 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 | 118594 | 09/10/25 08:50 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 118589 | 09/10/25 18:35 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 118669 | 09/10/25 18:35 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 118653 | 09/10/25 15:31 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 118585 | 09/10/25 08:04 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 118622 | 09/10/25 15:31 | TKC | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Carmona Resources
Job ID: 880-62428-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## Client Sample ID: S-2 (1')
**Lab Sample ID: 880-62428-7**

**Date Collected: 09/04/25 00:00**
**Matrix: Solid**
**Date Received: 09/09/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 5.00 g | 50 mL | 118584 | 09/10/25 07:56 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 118600 | 09/10/25 15:41 | 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
Job ID: 880-62428-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
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 |

# Method Summary

Client: Carmona Resources
Job ID: 880-62428-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
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
Job ID: 880-62428-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---|---|---|---|---|---|
| 880-62428-1 | S-1 (0-3") | Solid | 09/04/25 00:00 | 09/09/25 15:00 | New Mexico |
| 880-62428-2 | S-1 (6") | Solid | 09/04/25 00:00 | 09/09/25 15:00 | New Mexico |
| 880-62428-3 | S-1 (1') | Solid | 09/04/25 00:00 | 09/09/25 15:00 | New Mexico |
| 880-62428-4 | S-1 (1.5') | Solid | 09/04/25 00:00 | 09/09/25 15:00 | New Mexico |
| 880-62428-5 | S-2 (0-3") | Solid | 09/04/25 00:00 | 09/09/25 15:00 | New Mexico |
| 880-62428-6 | S-2 (6") | Solid | 09/04/25 00:00 | 09/09/25 15:00 | New Mexico |
| 880-62428-7 | S-2 (1') | Solid | 09/04/25 00:00 | 09/09/25 15:00 | New Mexico |

# Chain of Custody

880-62428 Chain of Custody



| | | | |
|---|---|---|---|
| Project Manager: | Conner Moehring | Bill to: (if different) | Carmona Resources |
| Company Name: | Carmona Resources | Company Name: | |
| Address: | 310 W Wall St Ste 500 | Address: | |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | |
| Phone: | 432-813-6823 | Email: | mcarmona@carmonaresources.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Red Bull 35 Federal 1H Flare Fire (08.24.25) | Turn Around | ☐ Routine ☑ Rush |
| Project Number: | 2846 | Due Date: | 72 Hour TAT |
| Project Location | Lea County, New Mexico | | |
| Sampler's Name: | JM | | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | (Yes) No |
| Received Intact: | (Yes) No | Thermometer ID: | IR8 |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | -.1 |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | -3.1 |
| Total Containers: | | Corrected Temperature: | -3.2 |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2S0_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Parameters: BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 300.0 | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| S-1 (0-3") | 9/4/2025 | | X | | G | 1 | X | X | X | |
| S-1 (6") | 9/4/2025 | | X | | G | 1 | X | X | X | |
| S-1 (1') | 9/4/2025 | | X | | G | 1 | X | X | X | |
| S-1 (1.5') | 9/4/2025 | | X | | G | 1 | X | X | X | |
| S-2 (0-3") | 9/4/2025 | | X | | G | 1 | X | X | X | |
| S-2 (6") | 9/4/2025 | | X | | G | 1 | X | X | X | |
| S-2 (1') | 9/4/2025 | | X | | G | 1 | X | X | X | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

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

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|---|---|---|---|
| | | | 9/9/25 1500 |
| | | | |
| | | | |

# Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-62428-1
SDG Number: Lea County, New Mexico

**Login Number: 62428**
**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 | |

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 10/13/2025 12:09:21 PM

## JOB DESCRIPTION

Red Bull 35 Federal 1H Flare Fire (08.24.25)
Lea County, New Mexico

## JOB NUMBER

880-63684-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.





my EOL

# 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
10/13/2025 12:09:21 PM

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

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Laboratory Job ID: 880-63684-1
SDG: Lea County, New Mexico

# Table of Contents

# Definitions/Glossary

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
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 |
|---|---|
| *1 | LCS/LCSD RPD exceeds control limits. |
| F1 | MS and/or MSD recovery exceeds control limits. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### HPLC/IC

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

## Glossary

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

# Case Narrative

Client: Carmona Resources Job ID: 880-63684-1
Project: Red Bull 35 Federal 1H Flare Fire (08.24.25)

## Job ID: 880-63684-1 Eurofins Midland

**Job Narrative**
**880-63684-1**

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 10/9/2025 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.9°C.

**GC VOA**
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-120888 and analytical batch 880-120849 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-120898 and analytical batch 880-120849 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 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-120893 and analytical batch 880-120904 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-120893 and analytical batch 880-120904 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

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

**HPLC/IC**
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-120971 and analytical batch 880-120987 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

# Client Sample Results

Client: Carmona Resources
Job ID: 880-63684-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## Client Sample ID: CS-1 (2.5')
**Lab Sample ID: 880-63684-1**
**Date Collected: 10/08/25 00:00**
**Matrix: Solid**
**Date Received: 10/09/25 17:00**

### 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 | | 10/10/25 12:00 | 10/10/25 18:00 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:00 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:00 | 1 |
| m,p-Xylenes | <0.00403 | U | 0.00403 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:00 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:00 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *108* | | *70 - 130* | *10/10/25 12:00* | *10/10/25 18:00* | *1* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* | *10/10/25 12:00* | *10/10/25 18:00* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00403 | U | 0.00403 | | mg/Kg | | | 10/10/25 18:00 | 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 | | | 10/10/25 13:38 | 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 | | 10/10/25 07:57 | 10/10/25 13:38 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 10/10/25 07:57 | 10/10/25 13:38 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 10/10/25 07:57 | 10/10/25 13:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *88* | | *70 - 130* | *10/10/25 07:57* | *10/10/25 13:38* | *1* |
| *o-Terphenyl (Surr)* | *107* | | *70 - 130* | *10/10/25 07:57* | *10/10/25 13:38* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **122** | | 9.96 | | mg/Kg | | | 10/10/25 21:16 | 1 |

## Client Sample ID: SW-1 (2.5')
**Lab Sample ID: 880-63684-2**
**Date Collected: 10/08/25 00:00**
**Matrix: Solid**
**Date Received: 10/09/25 17:00**

### 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 | | 10/10/25 12:00 | 10/10/25 18:20 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:20 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:20 | 1 |
| m,p-Xylenes | <0.00399 | U | 0.00399 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:20 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:20 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:20 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *107* | | *70 - 130* | *10/10/25 12:00* | *10/10/25 18:20* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *10/10/25 12:00* | *10/10/25 18:20* | *1* |

# Client Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
SDG: Lea County, New Mexico

## Client Sample ID: SW-1 (2.5')

**Lab Sample ID: 880-63684-2**
**Matrix: Solid**
**Date Collected: 10/08/25 00:00**
**Date Received: 10/09/25 17:00**

### 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 | | | 10/10/25 18:20 | 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 | | | 10/10/25 13:52 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 10/10/25 07:57 | 10/10/25 13:52 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/10/25 07:57 | 10/10/25 13:52 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 10/10/25 07:57 | 10/10/25 13:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *88* | | *70 - 130* | *10/10/25 07:57* | *10/10/25 13:52* | *1* |
| *o-Terphenyl (Surr)* | *107* | | *70 - 130* | *10/10/25 07:57* | *10/10/25 13:52* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **108** | | 9.98 | | mg/Kg | | | 10/10/25 21:22 | 1 |

## Client Sample ID: SW-2 (2.5')

**Lab Sample ID: 880-63684-3**
**Matrix: Solid**
**Date Collected: 10/08/25 00:00**
**Date Received: 10/09/25 17:00**

### 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 | | 10/10/25 12:00 | 10/10/25 18:41 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:41 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:41 | 1 |
| m,p-Xylenes | <0.00402 | U | 0.00402 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:41 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:41 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 18:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* | *10/10/25 12:00* | *10/10/25 18:41* | *1* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* | *10/10/25 12:00* | *10/10/25 18:41* | *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 | | | 10/10/25 18:41 | 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 | | | 10/10/25 13:09 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U *1 | 50.0 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 13:09 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 50.0 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 13:09 | 1 |

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# Client Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
SDG: Lea County, New Mexico

## Client Sample ID: SW-2 (2.5')

**Lab Sample ID: 880-63684-3**
**Matrix: Solid**
**Date Collected: 10/08/25 00:00**
**Date Received: 10/09/25 17:00**

### 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 | | 10/10/25 08:00 | 10/10/25 13:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *99* | | *70 - 130* | *10/10/25 08:00* | *10/10/25 13:09* | *1* |
| *o-Terphenyl (Surr)* | *107* | | *70 - 130* | *10/10/25 08:00* | *10/10/25 13:09* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **104** | | 9.94 | | mg/Kg | | | 10/10/25 21:28 | 1 |

## Client Sample ID: SW-3 (2.5')

**Lab Sample ID: 880-63684-4**
**Matrix: Solid**
**Date Collected: 10/08/25 00:00**
**Date Received: 10/09/25 17:00**

### 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 | | 10/10/25 12:00 | 10/10/25 19:01 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:01 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:01 | 1 |
| m,p-Xylenes | <0.00398 | U | 0.00398 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:01 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:01 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:01 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *70 - 130* | *10/10/25 12:00* | *10/10/25 19:01* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *10/10/25 12:00* | *10/10/25 19:01* | *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 | | | 10/10/25 19:01 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 10/10/25 13:24 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U *1 | 49.8 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 13:24 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *1 | 49.8 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 13:24 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 13:24 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *96* | | *70 - 130* | *10/10/25 08:00* | *10/10/25 13:24* | *1* |
| *o-Terphenyl (Surr)* | *103* | | *70 - 130* | *10/10/25 08:00* | *10/10/25 13:24* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **102** | | 9.92 | | mg/Kg | | | 10/10/25 21:34 | 1 |

# Client Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
SDG: Lea County, New Mexico

## Client Sample ID: SW-4 (2.5')

**Lab Sample ID: 880-63684-5**
**Matrix: Solid**
**Date Collected: 10/08/25 00:00**
**Date Received: 10/09/25 17:00**

### 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 | | 10/10/25 12:00 | 10/10/25 19:22 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:22 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:22 | 1 |
| m,p-Xylenes | <0.00399 | U | 0.00399 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:22 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:22 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *109* | | *70 - 130* | *10/10/25 12:00* | *10/10/25 19:22* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *10/10/25 12:00* | *10/10/25 19:22* | *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 | | | 10/10/25 19:22 | 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 | | | 10/10/25 13:38 | 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 *1 | 49.9 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 13:38 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *1 | 49.9 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 13:38 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 13:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *96* | | *70 - 130* | *10/10/25 08:00* | *10/10/25 13:38* | *1* |
| *o-Terphenyl (Surr)* | *102* | | *70 - 130* | *10/10/25 08:00* | *10/10/25 13:38* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **99.3** | | 10.1 | | mg/Kg | | | 10/10/25 21:40 | 1 |

## Client Sample ID: SW-5 (2.5')

**Lab Sample ID: 880-63684-6**
**Matrix: Solid**
**Date Collected: 10/08/25 00:00**
**Date Received: 10/09/25 17:00**

### 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 | | 10/10/25 12:00 | 10/10/25 19:42 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:42 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:42 | 1 |
| m,p-Xylenes | <0.00402 | U | 0.00402 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:42 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:42 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/10/25 12:00 | 10/10/25 19:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *122* | | *70 - 130* | *10/10/25 12:00* | *10/10/25 19:42* | *1* |
| *1,4-Difluorobenzene (Surr)* | *107* | | *70 - 130* | *10/10/25 12:00* | *10/10/25 19:42* | *1* |

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# Client Sample Results

Client: Carmona Resources
Job ID: 880-63684-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## Client Sample ID: SW-5 (2.5')
**Lab Sample ID: 880-63684-6**

**Date Collected: 10/08/25 00:00**
**Matrix: Solid**
**Date Received: 10/09/25 17:00**

### 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 | | | 10/10/25 19:42 | 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 | | | 10/10/25 13:52 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U *1 | 50.0 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 13:52 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 50.0 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 13:52 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 13:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* | *10/10/25 08:00* | *10/10/25 13:52* | *1* |
| *o-Terphenyl (Surr)* | *107* | | *70 - 130* | *10/10/25 08:00* | *10/10/25 13:52* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 107 | | 10.1 | | mg/Kg | | | 10/10/25 20:51 | 1 |

# Surrogate Summary

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
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) |
|---|---|---|---|
| 880-63676-A-21-C MS | Matrix Spike | 117 | 103 |
| 880-63676-A-21-D MSD | Matrix Spike Duplicate | 99 | 97 |
| 880-63684-1 | CS-1 (2.5') | 108 | 94 |
| 880-63684-2 | SW-1 (2.5') | 107 | 103 |
| 880-63684-3 | SW-2 (2.5') | 97 | 102 |
| 880-63684-4 | SW-3 (2.5') | 106 | 100 |
| 880-63684-5 | SW-4 (2.5') | 109 | 100 |
| 880-63684-6 | SW-5 (2.5') | 122 | 107 |
| LCS 880-120898/1-A | Lab Control Sample | 100 | 105 |
| LCSD 880-120898/2-A | Lab Control Sample Dup | 100 | 109 |
| MB 880-120888/5-A | Method Blank | 297 S1+ | 175 S1+ |
| MB 880-120898/5-A | Method Blank | 261 S1+ | 152 S1+ |

**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) |
|---|---|---|---|
| 880-63676-A-5-D MS | Matrix Spike | 95 | 105 |
| 880-63676-A-5-E MSD | Matrix Spike Duplicate | 105 | 120 |
| 880-63676-A-18-D MS | Matrix Spike | 97 | 101 |
| 880-63676-A-18-E MSD | Matrix Spike Duplicate | 98 | 100 |
| 880-63684-1 | CS-1 (2.5') | 88 | 107 |
| 880-63684-2 | SW-1 (2.5') | 88 | 107 |
| 880-63684-3 | SW-2 (2.5') | 99 | 107 |
| 880-63684-4 | SW-3 (2.5') | 96 | 103 |
| 880-63684-5 | SW-4 (2.5') | 96 | 102 |
| 880-63684-6 | SW-5 (2.5') | 100 | 107 |
| LCS 880-120892/2-A | Lab Control Sample | 85 | 93 |
| LCS 880-120893/2-A | Lab Control Sample | 98 | 99 |
| LCSD 880-120892/3-A | Lab Control Sample Dup | 86 | 94 |
| LCSD 880-120893/3-A | Lab Control Sample Dup | 124 | 134 S1+ |
| MB 880-120892/1-A | Method Blank | 79 | 99 |
| MB 880-120893/1-A | Method Blank | 79 | 84 |

**Surrogate Legend**

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

# QC Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: MB 880-120888/5-A**
**Matrix: Solid**
**Analysis Batch: 120849**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 120888**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/09/25 20:49 | 10/09/25 23:32 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/09/25 20:49 | 10/09/25 23:32 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/09/25 20:49 | 10/09/25 23:32 | 1 |
| m,p-Xylenes | <0.00400 | U | 0.00400 | | mg/Kg | | 10/09/25 20:49 | 10/09/25 23:32 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/09/25 20:49 | 10/09/25 23:32 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/09/25 20:49 | 10/09/25 23:32 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *297* | *S1+* | *70 - 130* | *10/09/25 20:49* | *10/09/25 23:32* | *1* |
| *1,4-Difluorobenzene (Surr)* | *175* | *S1+* | *70 - 130* | *10/09/25 20:49* | *10/09/25 23:32* | *1* |

**Lab Sample ID: MB 880-120898/5-A**
**Matrix: Solid**
**Analysis Batch: 120849**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 120898**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/10/25 08:33 | 10/10/25 11:09 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/10/25 08:33 | 10/10/25 11:09 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/10/25 08:33 | 10/10/25 11:09 | 1 |
| m,p-Xylenes | <0.00400 | U | 0.00400 | | mg/Kg | | 10/10/25 08:33 | 10/10/25 11:09 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/10/25 08:33 | 10/10/25 11:09 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/10/25 08:33 | 10/10/25 11:09 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *261* | *S1+* | *70 - 130* | *10/10/25 08:33* | *10/10/25 11:09* | *1* |
| *1,4-Difluorobenzene (Surr)* | *152* | *S1+* | *70 - 130* | *10/10/25 08:33* | *10/10/25 11:09* | *1* |

**Lab Sample ID: LCS 880-120898/1-A**
**Matrix: Solid**
**Analysis Batch: 120849**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 120898**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1088 | | mg/Kg | | 109 | 70 - 130 |
| Toluene | 0.100 | 0.1042 | | mg/Kg | | 104 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.1028 | | mg/Kg | | 103 | 70 - 130 |
| m,p-Xylenes | 0.200 | 0.2149 | | mg/Kg | | 107 | 70 - 130 |
| o-Xylene | 0.100 | 0.1021 | | mg/Kg | | 102 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *105* | | *70 - 130* |

**Lab Sample ID: LCSD 880-120898/2-A**
**Matrix: Solid**
**Analysis Batch: 120849**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 120898**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1134 | | mg/Kg | | 113 | 70 - 130 | 4 | 35 |

# QC Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: LCSD 880-120898/2-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 120849** — **Prep Batch: 120898**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Toluene | | | 0.100 | 0.1041 | | mg/Kg | | 104 | 70 - 130 | 0 | 35 |
| Ethylbenzene | | | 0.100 | 0.1025 | | mg/Kg | | 102 | 70 - 130 | 0 | 35 |
| m,p-Xylenes | | | 0.200 | 0.2134 | | mg/Kg | | 107 | 70 - 130 | 1 | 35 |
| o-Xylene | | | 0.100 | 0.1008 | | mg/Kg | | 101 | 70 - 130 | 1 | 35 |

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

**Lab Sample ID: 880-63676-A-21-C MS** — **Client Sample ID: Matrix Spike**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 120849** — **Prep Batch: 120898**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.1047 | | mg/Kg | | 105 | 70 - 130 |
| Toluene | <0.00200 | U | 0.100 | 0.09239 | | mg/Kg | | 92 | 70 - 130 |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.1033 | | mg/Kg | | 103 | 70 - 130 |
| m,p-Xylenes | <0.00400 | U | 0.200 | 0.2317 | | mg/Kg | | 116 | 70 - 130 |
| o-Xylene | <0.00200 | U | 0.100 | 0.1105 | | mg/Kg | | 111 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *117* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* |

**Lab Sample ID: 880-63676-A-21-D MSD** — **Client Sample ID: Matrix Spike Duplicate**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 120849** — **Prep Batch: 120898**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.09623 | | mg/Kg | | 96 | 70 - 130 | 8 | 35 |
| Toluene | <0.00200 | U | 0.100 | 0.08783 | | mg/Kg | | 88 | 70 - 130 | 5 | 35 |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.08261 | | mg/Kg | | 83 | 70 - 130 | 22 | 35 |
| m,p-Xylenes | <0.00400 | U | 0.200 | 0.1853 | | mg/Kg | | 93 | 70 - 130 | 22 | 35 |
| o-Xylene | <0.00200 | U | 0.100 | 0.08391 | | mg/Kg | | 84 | 70 - 130 | 27 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *97* | | *70 - 130* |

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

**Lab Sample ID: MB 880-120892/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 120901** — **Prep Batch: 120892**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 10/10/25 07:57 | 10/10/25 04:42 | 1 |

# QC Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: MB 880-120892/1-A**
**Matrix: Solid**
**Analysis Batch: 120901**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 120892**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/10/25 07:57 | 10/10/25 04:42 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 10/10/25 07:57 | 10/10/25 04:42 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *79* | | *70 - 130* | *10/10/25 07:57* | *10/10/25 04:42* | *1* |
| *o-Terphenyl (Surr)* | *99* | | *70 - 130* | *10/10/25 07:57* | *10/10/25 04:42* | *1* |

**Lab Sample ID: LCS 880-120892/2-A**
**Matrix: Solid**
**Analysis Batch: 120901**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 120892**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 821.7 | | mg/Kg | | 82 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 897.2 | | mg/Kg | | 90 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *85* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *93* | | *70 - 130* |

**Lab Sample ID: LCSD 880-120892/3-A**
**Matrix: Solid**
**Analysis Batch: 120901**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 120892**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 826.1 | | mg/Kg | | 83 | 70 - 130 | 1 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 907.1 | | mg/Kg | | 91 | 70 - 130 | 1 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *86* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *94* | | *70 - 130* |

**Lab Sample ID: 880-63676-A-5-D MS**
**Matrix: Solid**
**Analysis Batch: 120901**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 120892**

| 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 | 1000 | 777.9 | | mg/Kg | | 78 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 1000 | 886.4 | | mg/Kg | | 86 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *95* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *105* | | *70 - 130* |

# QC Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-63676-A-5-E MSD** — **Client Sample ID: Matrix Spike Duplicate**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 120901** — **Prep Batch: 120892**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 1000 | 844.2 | | mg/Kg | | 84 | 70 - 130 | 8 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 1000 | 1006 | | mg/Kg | | 98 | 70 - 130 | 13 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *105* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *120* | | *70 - 130* |

**Lab Sample ID: MB 880-120893/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 120904** — **Prep Batch: 120893**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 04:42 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 04:42 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 10/10/25 08:00 | 10/10/25 04:42 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *79* | | *70 - 130* | *10/10/25 08:00* | *10/10/25 04:42* | *1* |
| *o-Terphenyl (Surr)* | *84* | | *70 - 130* | *10/10/25 08:00* | *10/10/25 04:42* | *1* |

**Lab Sample ID: LCS 880-120893/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 120904** — **Prep Batch: 120893**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 792.5 | | mg/Kg | | 79 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 880.6 | | mg/Kg | | 88 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *98* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *99* | | *70 - 130* |

**Lab Sample ID: LCSD 880-120893/3-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 120904** — **Prep Batch: 120893**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 1041 | *1 | mg/Kg | | 104 | 70 - 130 | 27 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1200 | *1 | mg/Kg | | 120 | 70 - 130 | 31 | 20 |

# QC Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: LCSD 880-120893/3-A**
**Matrix: Solid**
**Analysis Batch: 120904**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 120893**

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane (Surr) | 124 | | 70 - 130 |
| o-Terphenyl (Surr) | 134 | S1+ | 70 - 130 |

**Lab Sample ID: 880-63676-A-18-D MS**
**Matrix: Solid**
**Analysis Batch: 120904**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 120893**

| 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 *1 F1 | 999 | 687.3 | F1 | mg/Kg | | 69 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 999 | 894.5 | | mg/Kg | | 86 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane (Surr) | 97 | | 70 - 130 |
| o-Terphenyl (Surr) | 101 | | 70 - 130 |

**Lab Sample ID: 880-63676-A-18-E MSD**
**Matrix: Solid**
**Analysis Batch: 120904**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 120893**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U *1 F1 | 999 | 710.4 | | mg/Kg | | 71 | 70 - 130 | 3 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *1 | 999 | 899.4 | | mg/Kg | | 87 | 70 - 130 | 1 | 20 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane (Surr) | 98 | | 70 - 130 |
| o-Terphenyl (Surr) | 100 | | 70 - 130 |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-120971/1-A**
**Matrix: Solid**
**Analysis Batch: 120987**

**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 | | | 10/10/25 18:39 | 1 |

**Lab Sample ID: LCS 880-120971/2-A**
**Matrix: Solid**
**Analysis Batch: 120987**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 258.2 | | mg/Kg | | 103 | 90 - 110 |

# QC Sample Results

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: LCSD 880-120971/3-A**
**Matrix: Solid**
**Analysis Batch: 120987**

**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 | 260.1 | | mg/Kg | | 104 | 90 - 110 | 1 | 20 |

**Lab Sample ID: 880-63673-A-11-C MS**
**Matrix: Solid**
**Analysis Batch: 120987**

**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 | 122 | F1 | 253 | 405.3 | F1 | mg/Kg | | 112 | 90 - 110 |

**Lab Sample ID: 880-63673-A-11-D MSD**
**Matrix: Solid**
**Analysis Batch: 120987**

**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 | 122 | F1 | 253 | 405.0 | F1 | mg/Kg | | 112 | 90 - 110 | 0 | 20 |

**Lab Sample ID: MB 880-120918/1-A**
**Matrix: Solid**
**Analysis Batch: 120989**

**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 | | | 10/10/25 18:44 | 1 |

**Lab Sample ID: LCS 880-120918/2-A**
**Matrix: Solid**
**Analysis Batch: 120989**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 260.5 | | mg/Kg | | 104 | 90 - 110 |

**Lab Sample ID: LCSD 880-120918/3-A**
**Matrix: Solid**
**Analysis Batch: 120989**

**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 | 264.3 | | mg/Kg | | 106 | 90 - 110 | 1 | 20 |

**Lab Sample ID: 880-63682-A-26-B MS**
**Matrix: Solid**
**Analysis Batch: 120989**

**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 | 104 | | 249 | 358.2 | | mg/Kg | | 102 | 90 - 110 |

**Lab Sample ID: 880-63682-A-26-C MSD**
**Matrix: Solid**
**Analysis Batch: 120989**

**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 | 104 | | 249 | 353.1 | | mg/Kg | | 100 | 90 - 110 | 1 | 20 |

# QC Association Summary

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
SDG: Lea County, New Mexico

## GC VOA

### Analysis Batch: 120849

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-63684-1 | CS-1 (2.5') | Total/NA | Solid | 8021B | 120898 |
| 880-63684-2 | SW-1 (2.5') | Total/NA | Solid | 8021B | 120898 |
| 880-63684-3 | SW-2 (2.5') | Total/NA | Solid | 8021B | 120898 |
| 880-63684-4 | SW-3 (2.5') | Total/NA | Solid | 8021B | 120898 |
| 880-63684-5 | SW-4 (2.5') | Total/NA | Solid | 8021B | 120898 |
| 880-63684-6 | SW-5 (2.5') | Total/NA | Solid | 8021B | 120898 |
| MB 880-120888/5-A | Method Blank | Total/NA | Solid | 8021B | 120888 |
| MB 880-120898/5-A | Method Blank | Total/NA | Solid | 8021B | 120898 |
| LCS 880-120898/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 120898 |
| LCSD 880-120898/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 120898 |
| 880-63676-A-21-C MS | Matrix Spike | Total/NA | Solid | 8021B | 120898 |
| 880-63676-A-21-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 120898 |

### Prep Batch: 120888

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-120888/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Prep Batch: 120898

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-63684-1 | CS-1 (2.5') | Total/NA | Solid | 5035 | |
| 880-63684-2 | SW-1 (2.5') | Total/NA | Solid | 5035 | |
| 880-63684-3 | SW-2 (2.5') | Total/NA | Solid | 5035 | |
| 880-63684-4 | SW-3 (2.5') | Total/NA | Solid | 5035 | |
| 880-63684-5 | SW-4 (2.5') | Total/NA | Solid | 5035 | |
| 880-63684-6 | SW-5 (2.5') | Total/NA | Solid | 5035 | |
| MB 880-120898/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-120898/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-120898/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-63676-A-21-C MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-63676-A-21-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 121071

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-63684-1 | CS-1 (2.5') | Total/NA | Solid | Total BTEX | |
| 880-63684-2 | SW-1 (2.5') | Total/NA | Solid | Total BTEX | |
| 880-63684-3 | SW-2 (2.5') | Total/NA | Solid | Total BTEX | |
| 880-63684-4 | SW-3 (2.5') | Total/NA | Solid | Total BTEX | |
| 880-63684-5 | SW-4 (2.5') | Total/NA | Solid | Total BTEX | |
| 880-63684-6 | SW-5 (2.5') | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Prep Batch: 120892

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-63684-1 | CS-1 (2.5') | Total/NA | Solid | 8015NM Prep | |
| 880-63684-2 | SW-1 (2.5') | Total/NA | Solid | 8015NM Prep | |
| MB 880-120892/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-120892/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-120892/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-63676-A-5-D MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-63676-A-5-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

# QC Association Summary

Client: Carmona Resources
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
SDG: Lea County, New Mexico

## GC Semi VOA

### Prep Batch: 120893

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-63684-3 | SW-2 (2.5') | Total/NA | Solid | 8015NM Prep | |
| 880-63684-4 | SW-3 (2.5') | Total/NA | Solid | 8015NM Prep | |
| 880-63684-5 | SW-4 (2.5') | Total/NA | Solid | 8015NM Prep | |
| 880-63684-6 | SW-5 (2.5') | Total/NA | Solid | 8015NM Prep | |
| MB 880-120893/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-120893/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-120893/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-63676-A-18-D MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-63676-A-18-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 120901

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-63684-1 | CS-1 (2.5') | Total/NA | Solid | 8015B NM | 120892 |
| 880-63684-2 | SW-1 (2.5') | Total/NA | Solid | 8015B NM | 120892 |
| MB 880-120892/1-A | Method Blank | Total/NA | Solid | 8015B NM | 120892 |
| LCS 880-120892/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 120892 |
| LCSD 880-120892/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 120892 |
| 880-63676-A-5-D MS | Matrix Spike | Total/NA | Solid | 8015B NM | 120892 |
| 880-63676-A-5-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 120892 |

### Analysis Batch: 120904

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-63684-3 | SW-2 (2.5') | Total/NA | Solid | 8015B NM | 120893 |
| 880-63684-4 | SW-3 (2.5') | Total/NA | Solid | 8015B NM | 120893 |
| 880-63684-5 | SW-4 (2.5') | Total/NA | Solid | 8015B NM | 120893 |
| 880-63684-6 | SW-5 (2.5') | Total/NA | Solid | 8015B NM | 120893 |
| MB 880-120893/1-A | Method Blank | Total/NA | Solid | 8015B NM | 120893 |
| LCS 880-120893/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 120893 |
| LCSD 880-120893/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 120893 |
| 880-63676-A-18-D MS | Matrix Spike | Total/NA | Solid | 8015B NM | 120893 |
| 880-63676-A-18-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 120893 |

### Analysis Batch: 120988

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-63684-1 | CS-1 (2.5') | Total/NA | Solid | 8015 NM | |
| 880-63684-2 | SW-1 (2.5') | Total/NA | Solid | 8015 NM | |
| 880-63684-3 | SW-2 (2.5') | Total/NA | Solid | 8015 NM | |
| 880-63684-4 | SW-3 (2.5') | Total/NA | Solid | 8015 NM | |
| 880-63684-5 | SW-4 (2.5') | Total/NA | Solid | 8015 NM | |
| 880-63684-6 | SW-5 (2.5') | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 120918

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-63684-1 | CS-1 (2.5') | Soluble | Solid | DI Leach | |
| 880-63684-2 | SW-1 (2.5') | Soluble | Solid | DI Leach | |
| 880-63684-3 | SW-2 (2.5') | Soluble | Solid | DI Leach | |
| 880-63684-4 | SW-3 (2.5') | Soluble | Solid | DI Leach | |
| 880-63684-5 | SW-4 (2.5') | Soluble | Solid | DI Leach | |
| MB 880-120918/1-A | Method Blank | Soluble | Solid | DI Leach | |

# QC Association Summary

Client: Carmona Resources
Job ID: 880-63684-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## HPLC/IC (Continued)

### Leach Batch: 120918 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 880-120918/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-120918/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-63682-A-26-B MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-63682-A-26-C MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

### Leach Batch: 120971

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-63684-6 | SW-5 (2.5') | Soluble | Solid | DI Leach | |
| MB 880-120971/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-120971/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-120971/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-63673-A-11-C MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-63673-A-11-D MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

### Analysis Batch: 120987

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-63684-6 | SW-5 (2.5') | Soluble | Solid | 300.0 | 120971 |
| MB 880-120971/1-A | Method Blank | Soluble | Solid | 300.0 | 120971 |
| LCS 880-120971/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 120971 |
| LCSD 880-120971/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 120971 |
| 880-63673-A-11-C MS | Matrix Spike | Soluble | Solid | 300.0 | 120971 |
| 880-63673-A-11-D MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 120971 |

### Analysis Batch: 120989

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-63684-1 | CS-1 (2.5') | Soluble | Solid | 300.0 | 120918 |
| 880-63684-2 | SW-1 (2.5') | Soluble | Solid | 300.0 | 120918 |
| 880-63684-3 | SW-2 (2.5') | Soluble | Solid | 300.0 | 120918 |
| 880-63684-4 | SW-3 (2.5') | Soluble | Solid | 300.0 | 120918 |
| 880-63684-5 | SW-4 (2.5') | Soluble | Solid | 300.0 | 120918 |
| MB 880-120918/1-A | Method Blank | Soluble | Solid | 300.0 | 120918 |
| LCS 880-120918/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 120918 |
| LCSD 880-120918/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 120918 |
| 880-63682-A-26-B MS | Matrix Spike | Soluble | Solid | 300.0 | 120918 |
| 880-63682-A-26-C MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 120918 |

# Lab Chronicle

Client: Carmona Resources
Job ID: 880-63684-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## Client Sample ID: CS-1 (2.5')
**Lab Sample ID: 880-63684-1**
**Date Collected: 10/08/25 00:00**
**Matrix: Solid**
**Date Received: 10/09/25 17:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.96 g | 5 mL | 120898 | 10/10/25 12:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 120849 | 10/10/25 18:00 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 121071 | 10/10/25 18:00 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 120988 | 10/10/25 13:38 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 120892 | 10/10/25 07:57 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 120901 | 10/10/25 13:38 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 120918 | 10/10/25 10:02 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 120989 | 10/10/25 21:16 | CS | EET MID |

## Client Sample ID: SW-1 (2.5')
**Lab Sample ID: 880-63684-2**
**Date Collected: 10/08/25 00:00**
**Matrix: Solid**
**Date Received: 10/09/25 17:00**

| 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 | 120898 | 10/10/25 12:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 120849 | 10/10/25 18:20 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 121071 | 10/10/25 18:20 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 120988 | 10/10/25 13:52 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 120892 | 10/10/25 07:57 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 120901 | 10/10/25 13:52 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 120918 | 10/10/25 10:02 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 120989 | 10/10/25 21:22 | CS | EET MID |

## Client Sample ID: SW-2 (2.5')
**Lab Sample ID: 880-63684-3**
**Date Collected: 10/08/25 00:00**
**Matrix: Solid**
**Date Received: 10/09/25 17:00**

| 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 | 120898 | 10/10/25 12:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 120849 | 10/10/25 18:41 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 121071 | 10/10/25 18:41 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 120988 | 10/10/25 13:09 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 120893 | 10/10/25 08:00 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 120904 | 10/10/25 13:09 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 120918 | 10/10/25 10:02 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 120989 | 10/10/25 21:28 | CS | EET MID |

## Client Sample ID: SW-3 (2.5')
**Lab Sample ID: 880-63684-4**
**Date Collected: 10/08/25 00:00**
**Matrix: Solid**
**Date Received: 10/09/25 17:00**

| 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 | 120898 | 10/10/25 12:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 120849 | 10/10/25 19:01 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 121071 | 10/10/25 19:01 | SA | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Carmona Resources
Job ID: 880-63684-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
SDG: Lea County, New Mexico

## Client Sample ID: SW-3 (2.5')
**Lab Sample ID: 880-63684-4**
**Date Collected: 10/08/25 00:00**
**Matrix: Solid**
**Date Received: 10/09/25 17:00**

| 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 | | | 120988 | 10/10/25 13:24 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 120893 | 10/10/25 08:00 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 120904 | 10/10/25 13:24 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 120918 | 10/10/25 10:02 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 120989 | 10/10/25 21:34 | CS | EET MID |

## Client Sample ID: SW-4 (2.5')
**Lab Sample ID: 880-63684-5**
**Date Collected: 10/08/25 00:00**
**Matrix: Solid**
**Date Received: 10/09/25 17:00**

| 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 | 120898 | 10/10/25 12:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 120849 | 10/10/25 19:22 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 121071 | 10/10/25 19:22 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 120988 | 10/10/25 13:38 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 120893 | 10/10/25 08:00 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 120904 | 10/10/25 13:38 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 120918 | 10/10/25 10:02 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 120989 | 10/10/25 21:40 | CS | EET MID |

## Client Sample ID: SW-5 (2.5')
**Lab Sample ID: 880-63684-6**
**Date Collected: 10/08/25 00:00**
**Matrix: Solid**
**Date Received: 10/09/25 17:00**

| 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 | 120898 | 10/10/25 12:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 120849 | 10/10/25 19:42 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 121071 | 10/10/25 19:42 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 120988 | 10/10/25 13:52 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 120893 | 10/10/25 08:00 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 120904 | 10/10/25 13:52 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 120971 | 10/10/25 13:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 120987 | 10/10/25 20:51 | 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
Job ID: 880-63684-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
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 |

# Method Summary

Client: Carmona Resources
Job ID: 880-63684-1
Project/Site: Red Bull 35 Federal 1H Flare Fire (08.24.25)
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: Red Bull 35 Federal 1H Flare Fire (08.24.25)

Job ID: 880-63684-1
SDG: Lea County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---|---|---|---|---|---|
| 880-63684-1 | CS-1 (2.5') | Solid | 10/08/25 00:00 | 10/09/25 17:00 | New Mexico |
| 880-63684-2 | SW-1 (2.5') | Solid | 10/08/25 00:00 | 10/09/25 17:00 | New Mexico |
| 880-63684-3 | SW-2 (2.5') | Solid | 10/08/25 00:00 | 10/09/25 17:00 | New Mexico |
| 880-63684-4 | SW-3 (2.5') | Solid | 10/08/25 00:00 | 10/09/25 17:00 | New Mexico |
| 880-63684-5 | SW-4 (2.5') | Solid | 10/08/25 00:00 | 10/09/25 17:00 | New Mexico |
| 880-63684-6 | SW-5 (2.5') | Solid | 10/08/25 00:00 | 10/09/25 17:00 | New Mexico |

# Chain of Custody

880-63684 Chain of Custody



| | | | |
|---|---|---|---|
| Project Manager: | Conner Moehring | Bill to: (if different) | Carmona Resources |
| Company Name: | Carmona Resources | Company Name: | |
| Address: | 310 W Wall St Ste 500 | Address: | |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | |
| Phone: | 432-813-6823 | Email: | mcarmona@carmonaresources.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Red Bull 35 Federal 1H Flare Fire (08.24.25) | Turn Around | |
| Project Number: | 2846 | ☐ Routine ☑ Rush | |
| Project Location | Lea County, New Mexico | Due Date: | 72 Hour TAT |
| Sampler's Name: | JM | | |
| PO #: | | | |

| SAMPLE RECEIPT | | | | |
|---|---|---|---|---|
| Temp Blank: | Yes No | Wet Ice: | Yes No | |
| Received Intact: | Yes No | Thermometer ID: | | TRS |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | | -2 |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | | -2 |
| Total Containers: | | Corrected Temperature: | | |

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | Parameters: BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 300.0 | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CS-1 (2.5') | 10/8/2025 | | X | | C | 1 | | X | X | X | |
| SW-1 (2.5') | 10/8/2025 | | X | | C | 1 | | X | X | X | |
| SW-2 (2.5') | 10/8/2025 | | X | | C | 1 | | X | X | X | |
| SW-3 (2.5') | 10/8/2025 | | X | | C | 1 | | X | X | X | |
| SW-4 (2.5') | 10/8/2025 | | X | | C | 1 | | X | X | X | |
| SW-5 (2.5') | 10/8/2025 | | X | | C | 1 | | X | X | X | |

**Preservative Codes**

None: NO — DI Water: $H_2O$

Cool: Cool — MeOH: Me

HCL: HC — $HNO_3$: HN

$H_2S0_4$: $H_2$ — NaOH: Na

$H_3PO_4$: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

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

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|---|---|---|---|
| | 10/9/25 700 | | 10/9/25 700 |

# Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-63684-1
SDG Number: Lea County, New Mexico

**Login Number: 63684**
**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 | |

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 10/27/2025 3:27:53 PM

## JOB DESCRIPTION

Pygmy 27 State 3H (09.07.25)
Lea County, New Mexico

## JOB NUMBER

880-64193-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.





my EOL

# 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
10/27/2025 3:27:53 PM

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

Client: Carmona Resources
Project/Site: Pygmy 27 State 3H (09.07.25)

Laboratory Job ID: 880-64193-1
SDG: Lea County, New Mexico

# Table of Contents

# Definitions/Glossary

Client: Carmona Resources
Project/Site: Pygmy 27 State 3H (09.07.25)

Job ID: 880-64193-1
SDG: Lea County, New Mexico

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| *1 | LCS/LCSD RPD exceeds control limits. |
| 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 Job ID: 880-64193-1
Project: Pygmy 27 State 3H (09.07.25)

## Job ID: 880-64193-1 Eurofins Midland

**Job Narrative**
**880-64193-1**

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 10/24/2025 9:00 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 4.5°C.

**GC VOA**
Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-121958 and analytical batch 880-121946 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-121788 and 880-121958 and analytical batch 880-121946 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: Backfill (880-64193-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

**Diesel Range Organics**
Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-121948 and analytical batch 880-121967 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

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.

# Client Sample Results

Client: Carmona Resources
Project/Site: Pygmy 27 State 3H (09.07.25)

Job ID: 880-64193-1
SDG: Lea County, New Mexico

## Client Sample ID: Backfill

**Date Collected: 10/17/25 00:00**
**Date Received: 10/24/25 09:00**

## Lab Sample ID: 880-64193-1

**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 | | 10/24/25 09:56 | 10/25/25 13:33 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/24/25 09:56 | 10/25/25 13:33 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/24/25 09:56 | 10/25/25 13:33 | 1 |
| m,p-Xylenes | <0.00402 | U | 0.00402 | | mg/Kg | | 10/24/25 09:56 | 10/25/25 13:33 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/24/25 09:56 | 10/25/25 13:33 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/24/25 09:56 | 10/25/25 13:33 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *396* | *S1+* | *70 - 130* | *10/24/25 09:56* | *10/25/25 13:33* | *1* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* | *10/24/25 09:56* | *10/25/25 13:33* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/25/25 13:33 | 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 | | | 10/24/25 18:09 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U *1 | 50.0 | | mg/Kg | | 10/24/25 08:34 | 10/24/25 18:09 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/24/25 08:34 | 10/24/25 18:09 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 10/24/25 08:34 | 10/24/25 18:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *111* | | *70 - 130* | *10/24/25 08:34* | *10/24/25 18:09* | *1* |
| *o-Terphenyl (Surr)* | *128* | | *70 - 130* | *10/24/25 08:34* | *10/24/25 18:09* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **105** | | 10.0 | | mg/Kg | | | 10/24/25 19:00 | 1 |

# Surrogate Summary

Client: Carmona Resources
Project/Site: Pygmy 27 State 3H (09.07.25)

Job ID: 880-64193-1
SDG: Lea County, New Mexico

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

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-64193-1 | Backfill | 396 S1+ | 102 |
| 890-8980-A-1-G MS | Matrix Spike | 110 | 91 |
| 890-8980-A-1-H MSD | Matrix Spike Duplicate | 106 | 95 |
| LCS 880-121958/1-A | Lab Control Sample | 110 | 95 |
| LCSD 880-121958/2-A | Lab Control Sample Dup | 101 | 88 |
| MB 880-121788/5-A | Method Blank | 176 S1+ | 101 |
| MB 880-121958/5-A | Method Blank | 180 S1+ | 98 |

**Surrogate Legend**

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

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

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 880-63979-A-113-E MS | Matrix Spike | 119 | 129 |
| 880-63979-A-113-F MSD | Matrix Spike Duplicate | 119 | 127 |
| 880-64193-1 | Backfill | 111 | 128 |
| LCS 880-121948/2-A | Lab Control Sample | 90 | 95 |
| LCSD 880-121948/3-A | Lab Control Sample Dup | 100 | 106 |
| MB 880-121948/1-A | Method Blank | 104 | 125 |

**Surrogate Legend**

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

# QC Sample Results

Client: Carmona Resources
Project/Site: Pygmy 27 State 3H (09.07.25)

Job ID: 880-64193-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: MB 880-121788/5-A**
**Matrix: Solid**
**Analysis Batch: 121946**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 121788**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 12:13 | 10/24/25 22:45 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 12:13 | 10/24/25 22:45 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 12:13 | 10/24/25 22:45 | 1 |
| m,p-Xylenes | <0.00400 | U | 0.00400 | | mg/Kg | | 10/22/25 12:13 | 10/24/25 22:45 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 12:13 | 10/24/25 22:45 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/22/25 12:13 | 10/24/25 22:45 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *176* | *S1+* | *70 - 130* | *10/22/25 12:13* | *10/24/25 22:45* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *10/22/25 12:13* | *10/24/25 22:45* | *1* |

**Lab Sample ID: MB 880-121958/5-A**
**Matrix: Solid**
**Analysis Batch: 121946**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 121958**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/24/25 09:56 | 10/25/25 10:21 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/24/25 09:56 | 10/25/25 10:21 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/24/25 09:56 | 10/25/25 10:21 | 1 |
| m,p-Xylenes | <0.00400 | U | 0.00400 | | mg/Kg | | 10/24/25 09:56 | 10/25/25 10:21 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/24/25 09:56 | 10/25/25 10:21 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/24/25 09:56 | 10/25/25 10:21 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *180* | *S1+* | *70 - 130* | *10/24/25 09:56* | *10/25/25 10:21* | *1* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* | *10/24/25 09:56* | *10/25/25 10:21* | *1* |

**Lab Sample ID: LCS 880-121958/1-A**
**Matrix: Solid**
**Analysis Batch: 121946**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 121958**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.08853 | | mg/Kg | | 89 | 70 - 130 |
| Toluene | 0.100 | 0.09331 | | mg/Kg | | 93 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.08837 | | mg/Kg | | 88 | 70 - 130 |
| m,p-Xylenes | 0.200 | 0.1498 | | mg/Kg | | 75 | 70 - 130 |
| o-Xylene | 0.100 | 0.08831 | | mg/Kg | | 88 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *95* | | *70 - 130* |

**Lab Sample ID: LCSD 880-121958/2-A**
**Matrix: Solid**
**Analysis Batch: 121946**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 121958**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.08341 | | mg/Kg | | 83 | 70 - 130 | 6 | 35 |

# QC Sample Results

Client: Carmona Resources
Project/Site: Pygmy 27 State 3H (09.07.25)

Job ID: 880-64193-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: LCSD 880-121958/2-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 121946** — **Prep Batch: 121958**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Toluene | | | 0.100 | 0.08663 | | mg/Kg | | 87 | 70 - 130 | 7 | 35 |
| Ethylbenzene | | | 0.100 | 0.09132 | | mg/Kg | | 91 | 70 - 130 | 3 | 35 |
| m,p-Xylenes | | | 0.200 | 0.1502 | | mg/Kg | | 75 | 70 - 130 | 0 | 35 |
| o-Xylene | | | 0.100 | 0.08496 | | mg/Kg | | 85 | 70 - 130 | 4 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *88* | | *70 - 130* |

**Lab Sample ID: 890-8980-A-1-G MS** — **Client Sample ID: Matrix Spike**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 121946** — **Prep Batch: 121958**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U F2 F1 | 0.100 | 0.08247 | | mg/Kg | | 82 | 70 - 130 |
| Toluene | <0.00200 | U F2 F1 | 0.100 | 0.07816 | | mg/Kg | | 78 | 70 - 130 |
| Ethylbenzene | <0.00200 | U F2 F1 | 0.100 | 0.09639 | | mg/Kg | | 96 | 70 - 130 |
| m,p-Xylenes | <0.00399 | U F2 F1 | 0.200 | 0.1725 | | mg/Kg | | 86 | 70 - 130 |
| o-Xylene | <0.00200 | U F2 F1 | 0.100 | 0.08236 | | mg/Kg | | 82 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* |

**Lab Sample ID: 890-8980-A-1-H MSD** — **Client Sample ID: Matrix Spike Duplicate**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 121946** — **Prep Batch: 121958**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U F2 F1 | 0.100 | 0.03922 | F2 F1 | mg/Kg | | 39 | 70 - 130 | 71 | 35 |
| Toluene | <0.00200 | U F2 F1 | 0.100 | 0.03990 | F2 F1 | mg/Kg | | 40 | 70 - 130 | 65 | 35 |
| Ethylbenzene | <0.00200 | U F2 F1 | 0.100 | 0.03967 | F2 F1 | mg/Kg | | 40 | 70 - 130 | 83 | 35 |
| m,p-Xylenes | <0.00399 | U F2 F1 | 0.200 | 0.09606 | F2 F1 | mg/Kg | | 48 | 70 - 130 | 57 | 35 |
| o-Xylene | <0.00200 | U F2 F1 | 0.100 | 0.05347 | F2 F1 | mg/Kg | | 53 | 70 - 130 | 43 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *95* | | *70 - 130* |

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

**Lab Sample ID: MB 880-121948/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 121967** — **Prep Batch: 121948**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 10/24/25 08:33 | 10/24/25 09:15 | 1 |

# QC Sample Results

Client: Carmona Resources
Project/Site: Pygmy 27 State 3H (09.07.25)

Job ID: 880-64193-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: MB 880-121948/1-A** | **Client Sample ID: Method Blank**
**Matrix: Solid** | **Prep Type: Total/NA**
**Analysis Batch: 121967** | **Prep Batch: 121948**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/24/25 08:33 | 10/24/25 09:15 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 10/24/25 08:33 | 10/24/25 09:15 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *104* | | *70 - 130* | *10/24/25 08:33* | *10/24/25 09:15* | *1* |
| *o-Terphenyl (Surr)* | *125* | | *70 - 130* | *10/24/25 08:33* | *10/24/25 09:15* | *1* |

**Lab Sample ID: LCS 880-121948/2-A** | **Client Sample ID: Lab Control Sample**
**Matrix: Solid** | **Prep Type: Total/NA**
**Analysis Batch: 121967** | **Prep Batch: 121948**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 829.8 | | mg/Kg | | 83 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1004 | | mg/Kg | | 100 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *90* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *95* | | *70 - 130* |

**Lab Sample ID: LCSD 880-121948/3-A** | **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** | **Prep Type: Total/NA**
**Analysis Batch: 121967** | **Prep Batch: 121948**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1021 | *1 | mg/Kg | | 102 | 70 - 130 | 21 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1125 | | mg/Kg | | 113 | 70 - 130 | 11 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *106* | | *70 - 130* |

**Lab Sample ID: 880-63979-A-113-E MS** | **Client Sample ID: Matrix Spike**
**Matrix: Solid** | **Prep Type: Total/NA**
**Analysis Batch: 121967** | **Prep Batch: 121948**

| 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 *1 | 997 | 932.2 | | mg/Kg | | 94 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 997 | 1057 | | mg/Kg | | 104 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *119* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *129* | | *70 - 130* |

# QC Sample Results

Client: Carmona Resources
Project/Site: Pygmy 27 State 3H (09.07.25)

Job ID: 880-64193-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-63979-A-113-F MSD** — **Client Sample ID: Matrix Spike Duplicate**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 121967** — **Prep Batch: 121948**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U *1 | 997 | 920.6 | | mg/Kg | | 92 | 70 - 130 | 1 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 997 | 1032 | | mg/Kg | | 102 | 70 - 130 | 2 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *119* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *127* | | *70 - 130* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-121955/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 121979**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.0 | U | 10.0 | | mg/Kg | | | 10/24/25 16:44 | 1 |

**Lab Sample ID: LCS 880-121955/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 121979**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 238.9 | | mg/Kg | | 96 | 90 - 110 |

**Lab Sample ID: LCSD 880-121955/3-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 121979**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 250 | 240.3 | | mg/Kg | | 96 | 90 - 110 | 1 | 20 |

**Lab Sample ID: 890-8980-A-26-C MS** — **Client Sample ID: Matrix Spike**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 121979**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 583 | | 248 | 812.4 | | mg/Kg | | 92 | 90 - 110 |

**Lab Sample ID: 890-8980-A-26-D MSD** — **Client Sample ID: Matrix Spike Duplicate**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 121979**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 583 | | 248 | 811.6 | | mg/Kg | | 92 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: Carmona Resources
Project/Site: Pygmy 27 State 3H (09.07.25)

Job ID: 880-64193-1
SDG: Lea County, New Mexico

## GC VOA

### Prep Batch: 121788

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-121788/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Analysis Batch: 121946

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64193-1 | Backfill | Total/NA | Solid | 8021B | 121958 |
| MB 880-121788/5-A | Method Blank | Total/NA | Solid | 8021B | 121788 |
| MB 880-121958/5-A | Method Blank | Total/NA | Solid | 8021B | 121958 |
| LCS 880-121958/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 121958 |
| LCSD 880-121958/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 121958 |
| 890-8980-A-1-G MS | Matrix Spike | Total/NA | Solid | 8021B | 121958 |
| 890-8980-A-1-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 121958 |

### Prep Batch: 121958

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64193-1 | Backfill | Total/NA | Solid | 5035 | |
| MB 880-121958/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-121958/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-121958/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 890-8980-A-1-G MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 890-8980-A-1-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 122117

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64193-1 | Backfill | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Prep Batch: 121948

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64193-1 | Backfill | Total/NA | Solid | 8015NM Prep | |
| MB 880-121948/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-121948/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-121948/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-63979-A-113-E MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-63979-A-113-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 121967

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64193-1 | Backfill | Total/NA | Solid | 8015B NM | 121948 |
| MB 880-121948/1-A | Method Blank | Total/NA | Solid | 8015B NM | 121948 |
| LCS 880-121948/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 121948 |
| LCSD 880-121948/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 121948 |
| 880-63979-A-113-E MS | Matrix Spike | Total/NA | Solid | 8015B NM | 121948 |
| 880-63979-A-113-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 121948 |

### Analysis Batch: 122047

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64193-1 | Backfill | Total/NA | Solid | 8015 NM | |

# QC Association Summary

Client: Carmona Resources
Project/Site: Pygmy 27 State 3H (09.07.25)

Job ID: 880-64193-1
SDG: Lea County, New Mexico

## HPLC/IC

### Leach Batch: 121955

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64193-1 | Backfill | Soluble | Solid | DI Leach | |
| MB 880-121955/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-121955/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-121955/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-8980-A-26-C MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-8980-A-26-D MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

### Analysis Batch: 121979

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64193-1 | Backfill | Soluble | Solid | 300.0 | 121955 |
| MB 880-121955/1-A | Method Blank | Soluble | Solid | 300.0 | 121955 |
| LCS 880-121955/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 121955 |
| LCSD 880-121955/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 121955 |
| 890-8980-A-26-C MS | Matrix Spike | Soluble | Solid | 300.0 | 121955 |
| 890-8980-A-26-D MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 121955 |

# Lab Chronicle

Client: Carmona Resources
Project/Site: Pygmy 27 State 3H (09.07.25)

Job ID: 880-64193-1
SDG: Lea County, New Mexico

## Client Sample ID: Backfill

**Date Collected: 10/17/25 00:00**
**Date Received: 10/24/25 09:00**

## Lab Sample ID: 880-64193-1

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 121958 | 10/24/25 09:56 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121946 | 10/25/25 13:33 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122117 | 10/25/25 13:33 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122047 | 10/24/25 18:09 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121948 | 10/24/25 08:34 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 121967 | 10/24/25 18:09 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 121955 | 10/24/25 09:31 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121979 | 10/24/25 19:00 | 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
Job ID: 880-64193-1
Project/Site: Pygmy 27 State 3H (09.07.25)
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 |

# Method Summary

Client: Carmona Resources
Project/Site: Pygmy 27 State 3H (09.07.25)

Job ID: 880-64193-1
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: Pygmy 27 State 3H (09.07.25)

Job ID: 880-64193-1
SDG: Lea County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---|---|---|---|---|---|
| 880-64193-1 | Backfill | Solid | 10/17/25 00:00 | 10/24/25 09:00 | New Mexico |

# Chain of Custody

880-64193 Chain of Custody

Page 1 of 1

| | | | |
|---|---|---|---|
| Project Manager: | Conner Moehring | Bill to: (if different) | Carmona Resources |
| Company Name: | Carmona Resources | Company Name: | |
| Address: | 310 W Wall St Ste 500 | Address: | |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | |
| Phone: | 432-813-6823 | Email: | mcarmona@carmonaresources.com |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | | | |
|---|---|---|---|---|---|
| Project Name: | Pygmy 27 State 3H (09.07.25) | Turn Around | | Pres. Code | |
| Project Number: | 2859 | ☐ Routine | ☑ Rush | | |
| Project Location | Lea County, New Mexico | Due Date: | 24 Hour TAT | | |
| Sampler's Name: | JM | | | | |
| PO #: | | | | | |
| SAMPLE RECEIPT | Temp Blank: Yes No | Wet Ice: | Yes No | | |
| Received Intact: | Yes No | Thermometer ID: | | | |
| Cooler Custody Seals: | Yes No N/A | Correction Factor: | | | |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | | | |
| Total Containers: | | Corrected Temperature: | | | |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2S0_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Parameters | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 300.0 | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Backfill | 10/17/2025 | | X | | C | 1 | | X | X | X | |

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

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|---|---|---|---|
| | 10/24/25 0900 | | 10/24/25 0900 |

# Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-64193-1
SDG Number: Lea County, New Mexico

**Login Number: 64193**
**List Number: 1**
**Creator: Vasquez, Julisa**

**List Source: Eurofins Midland**

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 523323

## QUESTIONS

| | |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137 |
| | Action Number:<br>523323 |
| | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| **Prerequisites** | |
|---|---|
| Incident ID (n#) | **nAPP2523735216** |
| Incident Name | **NAPP2523735216 RED BULL 35 FEDERAL 1H @ 30-025-34015** |
| Incident Type | **Oil Release** |
| Incident Status | **Reclamation Report Received** |
| Incident Well | **[30-025-34015] RED BULL 35 FEDERAL #001H** |

| **Location of Release Source** | |
|---|---|
| *Please answer all the questions in this group.* | |
| Site Name | Red Bull 35 Federal 1H |
| Date Release Discovered | 08/24/2025 |
| Surface Owner | Private |

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

| **Nature and Volume of Release** | |
|---|---|
| *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.* | |
| Crude Oil Released (bbls) Details | Cause: Equipment Failure \| Separator \| Crude Oil \| Released: 0 BBL \| Recovered: 0 BBL \| Lost: 0 BBL. |
| Produced Water Released (bbls) Details | *Not answered.* |
| Is the concentration of chloride in the produced water >10,000 mg/l | No |
| Condensate Released (bbls) Details | *Not answered.* |
| Natural Gas Vented (Mcf) Details | *Not answered.* |
| Natural Gas Flared (Mcf) Details | *Not answered.* |
| Other Released Details | *Not answered.* |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Emergency services were not notified Release was confined to the well pad Facility has been cleared by safety personnel |

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 (continued)

| | |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137 |
| | Action Number:<br>523323 |
| | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| **Nature and Volume of Release (continued)** | |
|---|---|
| Is this a gas only submission (i.e. only significant Mcf values reported) | **More info needed to determine if this will be treated as a "gas only" report.** |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | **Yes** |
| Reasons why this would be considered a submission for a notification of a major release | **From paragraph A. "Major release" determine using:**<br>**(2) an unauthorized release of a volume that:**<br>**(a) results in a fire or is the result of a fire.** |
| *With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.* | |

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | |
|---|---|
| I hereby agree and sign off to the above statement | Name: Brittany Esparza<br>Title: Environmental Technician<br>Email: brittany.Esparza@ConocoPhillips.com<br>Date: 11/05/2025 |

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



## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137 |
| | Action Number:<br>523323 |
| | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| **Site Characterization** | |
|---|---|
| *Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.* | |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 100 and 500 (ft.) |
| What method was used to determine the depth to ground water | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water | No |
| **What is the minimum distance, between the closest lateral extents of the release and the following surface areas:** | |
| A continuously flowing watercourse or any other significant watercourse | Between 1 and 5 (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Greater than 5 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Greater than 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Greater than 5 (mi.) |
| Any other fresh water well or spring | Greater than 5 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between 1 and 5 (mi.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | Low |
| A 100-year floodplain | Greater than 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 |
| *Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.* | |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |
| **Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.) | |
| Chloride (EPA 300.0 or SM4500 Cl B) | 654 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 116 |
| GRO+DRO (EPA SW-846 Method 8015M) | 116 |
| 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 | 10/06/2025 |
| On what date will (or did) the final sampling or liner inspection occur | 10/08/2025 |
| On what date will (or was) the remediation complete(d) | 10/17/2025 |
| What is the estimated surface area (in square feet) that will be reclaimed | 0 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 0 |
| What is the estimated surface area (in square feet) that will be remediated | 127 |
| What is the estimated volume (in cubic yards) that will be remediated | 15 |
| *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 (continued)

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|---|---|
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**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 **off-site** disposal (i.e. dig and haul, hydrovac, etc.) | Yes |
| Which OCD approved facility will be used for **off-site** disposal | fEEM0112340644 R360 ARTESIA LLC LANDFARM |
| **OR** which OCD approved well (API) will be used for **off-site** disposal | *Not answered.* |
| **OR** is the **off-site** disposal site, to be used, out-of-state | *Not answered.* |
| **OR** is the **off-site** disposal site, to be used, an NMED facility | *Not answered.* |
| (Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms) | *Not answered.* |
| (In Situ) Soil Vapor Extraction | *Not answered.* |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | *Not answered.* |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | *Not answered.* |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | *Not answered.* |
| Ground Water Abatement pursuant to 19.15.30 NMAC | *Not answered.* |
| OTHER (Non-listed remedial process) | *Not answered.* |
| *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: Brittany Esparza<br>Title: Environmental Technician<br>Email: brittany.Esparza@ConocoPhillips.com<br>Date: 11/05/2025 |
| *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 (continued)

| | |
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| | Action Number:<br>523323 |
| | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| **Deferral Requests Only**<br>*Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.* | |
|---|---|
| Requesting a deferral of the remediation closure due date with the approval of this submission | No |

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## QUESTIONS (continued)

| | |
|---|---|
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**QUESTIONS**

| **Sampling Event Information** | |
|---|---|
| Last sampling notification (C-141N) recorded | **512335** |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | **10/08/2025** |
| What was the (estimated) number of samples that were to be gathered | **6** |
| What was the sampling surface area in square feet | **127** |

| **Remediation Closure Request** | |
|---|---|
| *Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.* | |
| Requesting a remediation closure approval with this submission | Yes |
| Have the lateral and vertical extents of contamination been fully delineated | **Yes** |
| Was this release entirely contained within a lined containment area | **No** |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion | Yes |
| What was the total surface area (in square feet) remediated | 127 |
| What was the total volume (cubic yards) remediated | 15 |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes |
| What was the total surface area (in square feet) reclaimed | 0 |
| What was the total volume (in cubic yards) reclaimed | 0 |
| Summarize any additional remediation activities not included by answers (above) | NA |

*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: Brittany Esparza<br>Title: Environmental Technician<br>Email: brittany.Esparza@ConocoPhillips.com<br>Date: 11/05/2025 |

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## QUESTIONS (continued)

| | |
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**QUESTIONS**

| **Reclamation Report** | |
|---|---|
| *Only answer the questions in this group if all reclamation steps have been completed.* | |
| Requesting a reclamation approval with this submission | Yes |
| What was the total reclamation surface area (in square feet) for this site | 127 |
| What was the total volume of replacement material (in cubic yards) for this site | 15 |
| *Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.* | |
| Is the soil top layer complete and is it suitable material to establish vegetation | Yes |
| On what (estimated) date will (or was) the reseeding commence(d) | 10/17/2025 |
| Summarize any additional reclamation activities not included by answers (above) | NA |
| *The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.* | |
| | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. | |
| I hereby agree and sign off to the above statement | Name: Brittany Esparza<br>Title: Environmental Technician<br>Email: brittany.Esparza@ConocoPhillips.com<br>Date: 11/05/2025 |

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## QUESTIONS (continued)

| | |
|---|---|
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| | Action Number:<br>523323 |
| | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| **Revegetation Report** | |
|---|---|
| *Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.* | |
| Requesting a restoration complete approval with this submission | No |
| *Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.* | |

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## CONDITIONS

| Operator: | OGRID: |
|---|---|
| COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | 229137 |
| | Action Number:<br>523323 |
| | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| scott.rodgers | The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. | 12/1/2025 |