CARMONA RESOURCES

# SITE INFORMATION

---

**Closure Report**
**M-Maljamar Suction Line-12”-09212024**
**Lea County, New Mexico**
**Incident ID: nAPP2426848904**
**Unit G Sec 22 T18S R32E**
**32.734892°, -103.751541°**

**Natural Gas Release**
**Point of Release: Equipment Failure**
**Release Date: 09.21.2024**
**Volume Released: 8 barrels of Condensate**
**Volume Recovered: 6 barrels of Condensate**

CARMONA RESOURCES

**Prepared for:**
**Kinetik Midstream**
**47 Conoco Rd.**
**Maljamar, New Mexico 88264**

**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

# TABLE OF CONTENTS



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

CARMONA RESOURCES

November 26, 2024

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

**Re: Closure Report**
**M-Maljamar Suction Line 12”-09212024**
**Kinetik Midstream**
**Incident ID: nAPP2426848904**
**Site Location: Unit G, S22, T18S, R32E**
**(Lat 32.734892°, Long -103.751541°)**
**Lea County, New Mexico**

To whom it may concern:

On behalf of Kinetik Midstream, Carmona Resources, LLC has prepared this letter to document site assessment activities for the M-Maljamar Suction Line 12”-09212024. This site is located at 32.734892°,-103.751541° within Unit G, S22, T18S, R32E, in Lea County, New Mexico (Figures 1 and 2).

## 1.0 Site Information and Background

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered due to equipment failure on a 12” buried gas line on September 21, 2024. It released approximately eight (8) barrels of condensate, with six barrels (6) barrels recovered. The impacted area occurred on the R.O.W. See Figure 3. The Notice of Release form is attached in Appendix C.

## 2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.48 miles southwest of the site in S22, T18S, R32E, and was drilled in 1986. The well has a reported depth to groundwater of 429.49’ below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

## 3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg

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

CARMONA RESOURCES

## 4.0 Site Assessment Activities

Initial Assessment

Carmona Resources, LLC performed site assessment activities to evaluate soil impacts from the release. Two (2) sample points (S-1 through S-2) and five (5) horizontal samples (H-1 through H-5) were advanced to depths ranging from the surface to 5' bgs inside and surrounding the release area to assess 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. See Table 1 for the analytical results.

## 5.0 Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via the NMOCD Portal on October 30, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of eight (8) floor confirmation samples were collected (CS-1 through CS-8), and twelve (12) sidewall samples (SW-1 through SW-12) 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 met the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2.

Approximately 130 cubic yards of material were excavated and transported offsite for proper disposal.

## 6.0 Conclusions

Based on the assessment results and the final analytical data, no further actions are required at the site. Kinetik formally requests the closure of these incidents. If you have any questions about this report or need additional information, please contact us at 432-813-1992.

Sincerely,
**Carmona Resources, LLC**

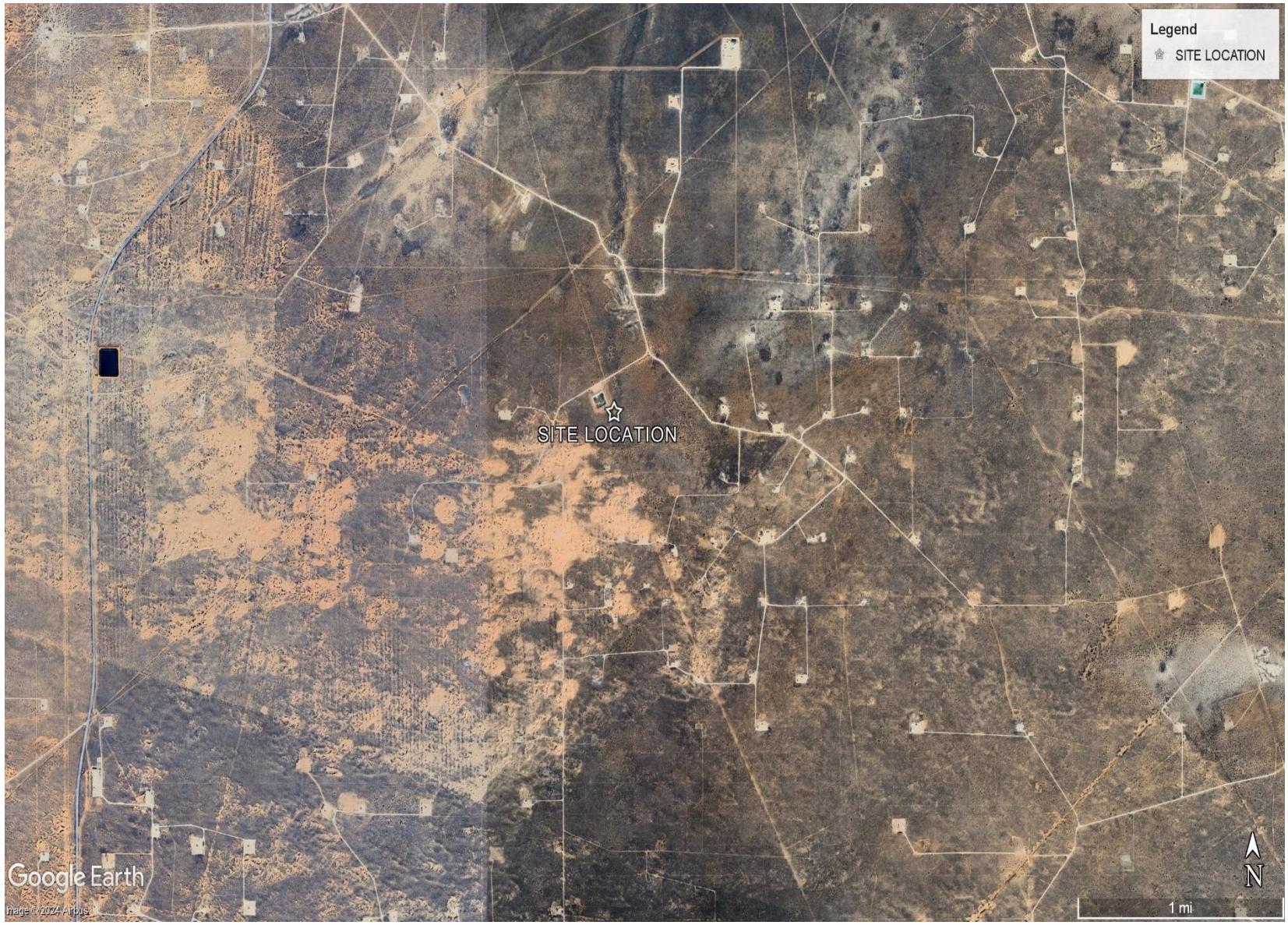
Conner Moehring
Environmental Manager

Devin Dominguez
Sr. Project Manager

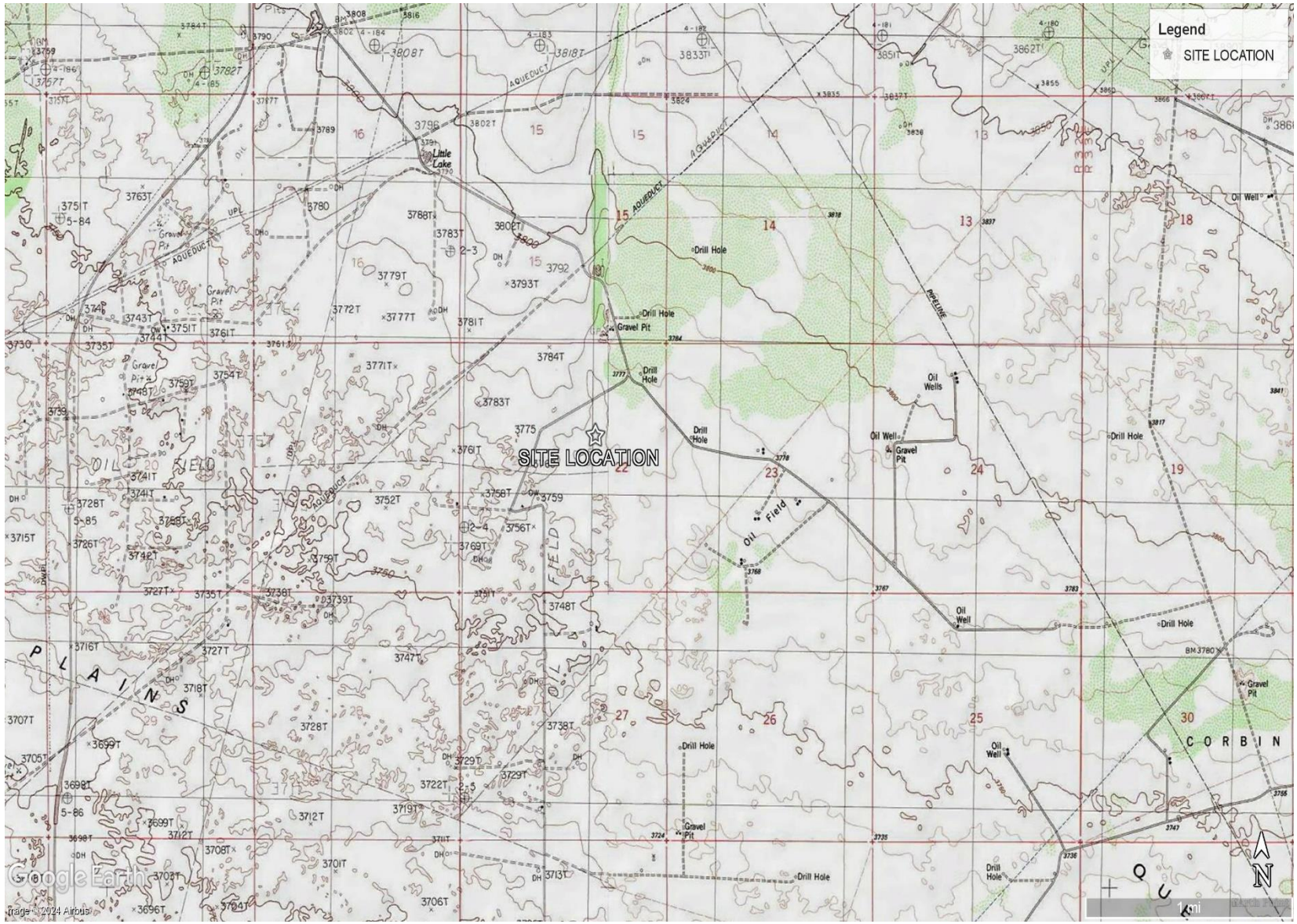
310 West Wall Street, Suite 500
Midland, Texas 79701
432.813.1992

# FIGURES

CARMONA RESOURCES




| | | |
|---|---|---|
| OVERVIEW MAP<br>KINETIK MIDSTREAM<br>M-MALJAMAR SUCTION LINE 12”-09212024<br>LEA COUNTY, NEW MEXICO<br>32.734892°, -103.751541 | CARMONA RESOURCES | FIGURE 1 |

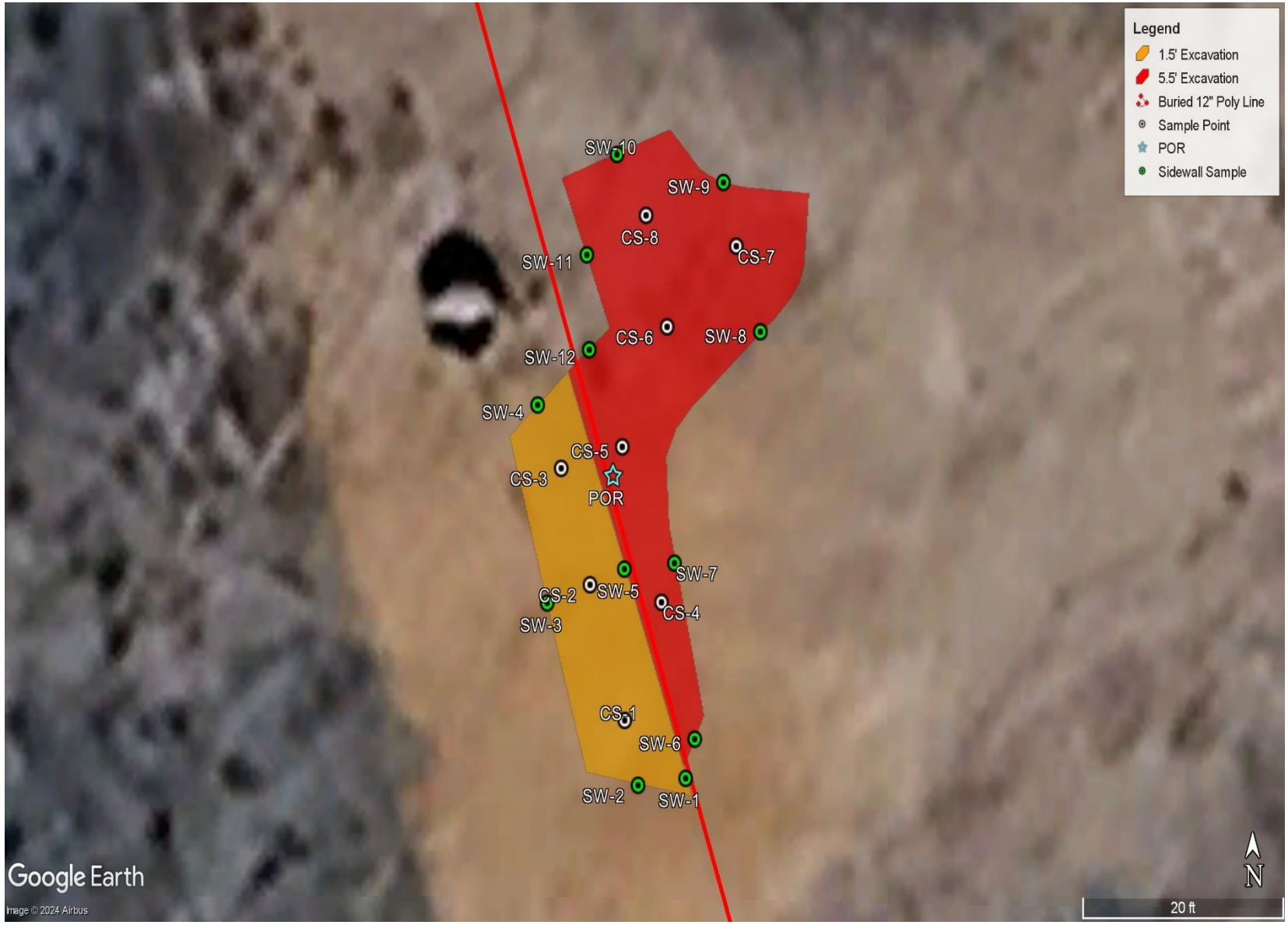



TOPOGRAPHIC MAP
KINETIK MIDSTREAM
M-MALJAMAR SUCTION LINE 12”-09212024
LEA COUNTY, NEW MEXICO
32.734892°, -103.751541

CARMONA RESOURCES

FIGURE 2


| | | |
|---|---|---|
| SAMPLE LOCATION MAP<br>KINETIK MIDSTREAM<br>M-MALJAMAR SUCTION LINE 12”-09212024<br>LEA COUNTY, NEW MEXICO<br>32.734892°, -103.751541 | CARMONA RESOURCES | FIGURE 3 |




| | | |
|---|---|---|
| EXCAVATION MAP<br>KINETIK MIDSTREAM<br>M-MALJAMAR SUCTION LINE 12”-09212024<br>LEA COUNTY, NEW MEXICO<br>32.734892°, -103.751541 | CARMONA RESOURCES | FIGURE 4 |

# APPENDIX A

CARMONA RESOURCES

**Table 1**
**Kinetic**
**M-Maljamar Suction Line-12-S-09122024**
**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 | | | | | | |
| **S-1** | 10/18/2024 | 3' | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00401 | <0.00401 | 20.4 |
| **S-2** | 10/18/2024 | 5' | <49.7 | **117** | <49.7 | **117** | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | 177 |
| **H-1** | 10/18/2024 | 0-0.5' | <49.8 | <49.8 | <49.8 | <49.8 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 17.0 |
| **H-2** | 10/18/2024 | 0-0.5' | <49.9 | <49.9 | <49.9 | <49.9 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <10.0 |
| **H-3** | 10/18/2024 | 0-0.5' | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | 10.9 |
| **H-4** | 10/18/2024 | 0-0.5' | <49.8 | <49.8 | <49.8 | <49.8 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 27.7 |
| **H-5** | 10/18/2024 | 0-0.5' | <49.8 | <49.8 | <49.8 | <49.8 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 | <9.92 |
| ***Regulatory Criteria*** [A] | | | | | | **100 mg/kg** | **10 mg/kg** | | | | **50 mg/kg** | **600 mg/kg** |

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

**Table 2**
**Kinetic Holdings**
**M-Maljamar Suction Line-12-S-09212024**
**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** | 11/1/2024 | 1.5' | <49.8 | <49.8 | <49.8 | <49.8 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | 27.8 |
| **CS-2** | 11/1/2024 | 1.5' | <50.5 | <50.5 | <50.5 | <50.5 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 31.2 |
| **CS-3** | 11/1/2024 | 1.5' | <49.7 | <49.7 | <49.7 | <49.7 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | 33.2 |
| **CS-4** | 11/1/2024 | 5.5' | <49.9 | <49.9 | <49.9 | <49.9 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | 26.7 |
| **CS-5** | 11/1/2024 | 5.5' | <50.0 | <50.0 | <50.0 | <50.0 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 30.2 |
| **CS-6** | 11/1/2024 | 5.5' | <49.6 | <49.6 | <49.6 | <49.6 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 25.7 |
| **CS-7** | 11/1/2024 | 5.5' | <50.1 | <50.1 | <50.1 | <50.1 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | 24.5 |
| **CS-8** | 11/1/2024 | 5.5' | <50.1 | <50.1 | <50.1 | <50.1 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | 23.0 |
| **SW-1** | 11/1/2024 | 1.5' | <50.4 | <50.4 | <50.4 | <50.4 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 33.7 |
| **SW-2** | 11/1/2024 | 1.5' | <50.5 | <50.5 | <50.5 | <50.5 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 | 21.5 |
| **SW-3** | 11/1/2024 | 1.5' | <50.0 | <50.0 | <50.0 | <50.0 | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | 27.7 |
| **SW-4** | 11/1/2024 | 1.5' | <49.8 | <49.8 | <49.8 | <49.8 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 | 25.7 |
| **SW-5** | 11/1/2024 | 4.0' | <49.9 | <49.9 | <49.9 | <49.9 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <10.0 |
| **SW-6** | 11/1/2024 | 5.5' | <49.7 | <49.7 | <49.7 | <49.7 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 40.5 |
| **SW-7** | 11/1/2024 | 5.5' | <50.3 | <50.3 | <50.3 | <50.3 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 | 28.2 |
| **SW-8** | 11/1/2024 | 5.5' | <50.1 | <50.1 | <50.1 | <50.1 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | 25.9 |
| **SW-9** | 11/1/2024 | 5.5' | <50.4 | <50.4 | <50.4 | <50.4 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | 36.7 |
| **SW-10** | 11/1/2024 | 5.5' | <50.5 | <50.5 | <50.5 | <50.5 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | 36.6 |
| **SW-11** | 11/1/2024 | 1.5' | <49.9 | <49.9 | <49.9 | <49.9 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 | 21.4 |
| **SW-12** | 11/1/2024 | 1.5' | <49.7 | <49.7 | <49.7 | <49.7 | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | 10.4 |
| ***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

**Kinetik Midstream**

**Photograph No. 1**

**Facility:** M-Maljamar Suction Line 12"-09212024

**County:** Lea County, New Mexico

**Description:**
View Northwest, area of CS-1 through 3.


**Photograph No. 2**

**Facility:** M-Maljamar Suction Line 12"-09212024

**County:** Lea County, New Mexico

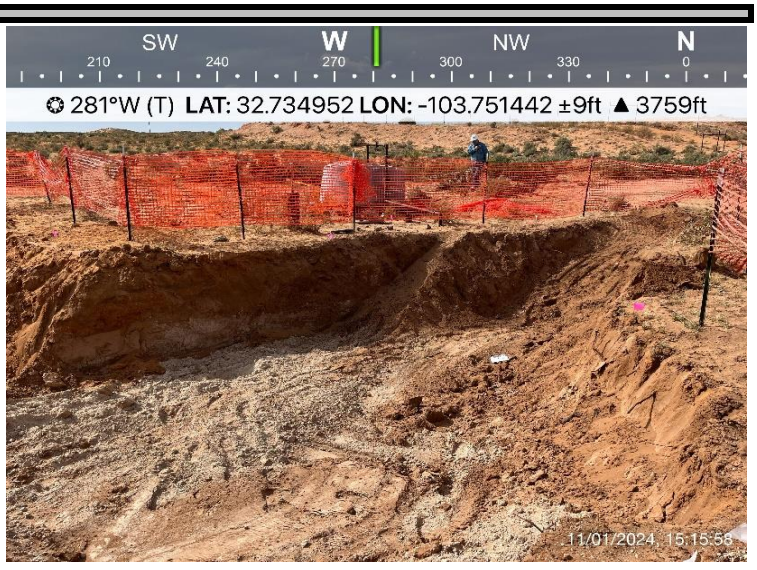
**Description:**
View North, area of CS-4 through 6.


**Photograph No. 3**

**Facility:** M-Maljamar Suction Line 12"-09212024

**County:** Lea County, New Mexico

**Description:**
View West, area of CS-7 through 8.




CARMONA RESOURCES

# APPENDIX C

CARMONA RESOURCES

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

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

QUESTIONS

Action 386349

## QUESTIONS

| | |
|---|---|
| Operator:<br>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>386349 |
| | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

**QUESTIONS**

| **Location of Release Source**<br>*Please answer all the questions in this group.* | |
|---|---|
| Site Name | M-Maljamar Suction Line - 12"-09212024 |
| Date Release Discovered | 09/21/2024 |
| Surface Owner | Private |

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

| **Nature and Volume of Release**<br>*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.* | |
|---|---|
| Crude Oil Released (bbls) Details | *Not answered.* |
| Produced Water Released (bbls) Details | *Not answered.* |
| Is the concentration of chloride in the produced water >10,000 mg/l | *Not answered.* |
| Condensate Released (bbls) Details | Cause: High Line Pressure \| Pipeline (Any) \| Condensate \| Released: 8 BBL \| Recovered: 6 BBL \| Lost: 2 BBL. |
| Natural Gas Vented (Mcf) Details | Cause: High Line Pressure \| Pipeline (Any) \| Natural Gas Vented \| Released: 143 Mcf \| Recovered: 0 Mcf \| Lost: 143 Mcf. |
| Natural Gas Flared (Mcf) Details | *Not answered.* |
| Other Released Details | *Not answered.* |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | *Not answered.* |

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

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



## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>386349 |
| | 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) | **No, according to supplied volumes this does not appear to be a "gas only" report.** |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | **No** |
| Reasons why this would be considered a submission for a notification of a major release | *Unavailable.* |
| *With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.* | |

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

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

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



## ACKNOWLEDGMENTS

| | |
|---|---|
| Operator:<br>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>386349 |
| | 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. |

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

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



## CONDITIONS

| | |
|---|---|
| Operator:<br>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>386349 |
| | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| sorozco | When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141. | 9/24/2024 |

KINETIK

# Gas Volume Release Report

| Gas Release Volume Calculator | | |
|---|---|---|
| Date: | 9/21/2024 | |
| Site or Line Name: | M-Maljamar Suction Line - 12''-09212024 | |
| Area of Hole in Pipe: | 0.5 | square inches |
| Absolute Pressure: | 40 | psia - absolute pressure (psia = psig gauge pressure + 14.7) |
| Duration of Release: | 120.00 | minutes |
| Actual Temperature: | 70 | Degrees F |
| Representative Gas Analysis | Please attach or email a representative gas analysis | |

| Constants | | |
|---|---|---|
| Temperature at standard conditions: | 60 | Deg. F |
| Pressure at standard conditions: | 14.7 | PSIA |
| Volume of Gas - Actual Conditions | 53.68 | MACF |
| Volume of Gas - Standard Conditions | 143.31 | MSCF |

| Notes |
|---|
| Entered by user |
| Calculated Value |
| Constant |

Note:

KINETIK

# Liquid Volume Release Report

| Liquid Release Volume Calculator | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date: | 9/21/2024 | | | | | | |
| Site or Line Name: | M-Maljamar Suction Line - 12"-09212024 | | | | | | |
| Soil Type | Porosity | Length | Width | Depth (.083 per inch) | Cubic Feet | Estimated Barrels | Soil Type |
| Clay | 0.15 | | | | 0 | 0.00 | Clay |
| Sandy Clay | 0.12 | | | | 0 | 0.00 | Sandy Clay |
| Silt | 0.16 | | | | 0 | 0.00 | Silt |
| Fine Sand | 0.16 | 60 | 29 | 0.166 | 288.84 | 8.24 | Fine Sand |
| Medium Sand | 0.25 | | | | 0 | 0.00 | Medium Sand |
| Coarse Sand | 0.26 | | | | 0 | 0.00 | Coarse Sand |
| Gravely Sand | 0.26 | | | | 0 | 0.00 | Gravely Sand |
| Fine Gravel | 0.26 | | | | 0 | 0.00 | Fine Gravel |
| Medium Gravel | 0.20 | | | | 0 | 0.00 | Medium Gravel |
| Coarse Gravel | 0.18 | | | | 0 | 0.00 | Coarse Gravel |
| Sandstone | 0.25 | | | | 0 | 0.00 | Sandstone |
| Siltstone | 0.18 | | | | 0 | 0.00 | Siltstone |
| Limestone | 0.13 | | | | 0 | 0.00 | Limestone |
| Basalt | 0.19 | | | | 0 | 0.00 | Basalt |
| Standing Liquids | X | 0 | 0 | 0 | 0 | 0.00 | Standing Liquids |

Choose the one prevailing ground type for estimating spill volumes at a single location. Standing liquids are figured separately using the green cell.

Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

Cubic Feet = L x W x D

*Estimated Barrels = ((Cubic Feet x Porosity) / 5.61)*

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

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

QUESTIONS

Action 386356

## QUESTIONS

| | |
|---|---|
| Operator:<br>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>386356 |
| | Action Type:<br>[C-141] Initial C-141 (C-141-v-Initial) |

**QUESTIONS**

| **Prerequisites** | |
|---|---|
| Incident ID (n#) | **nAPP2426848904** |
| Incident Name | **NAPP2426848904 M-MALJAMAR SUCTION LINE - 12"-09212024 @ 0** |
| Incident Type | **Natural Gas Release** |
| Incident Status | **Initial C-141 Received** |
| Incident Facility | **[fAPP2123229442] Frontier Field Services Gathering System** |

| **Location of Release Source** | |
|---|---|
| *Please answer all the questions in this group.* | |
| Site Name | M-Maljamar Suction Line - 12"-09212024 |
| Date Release Discovered | 09/21/2024 |
| Surface Owner | Private |

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

| **Nature and Volume of Release** | |
|---|---|
| *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.* | |
| Crude Oil Released (bbls) Details | *Not answered.* |
| Produced Water Released (bbls) Details | *Not answered.* |
| Is the concentration of chloride in the produced water >10,000 mg/l | No |
| Condensate Released (bbls) Details | Cause: High Line Pressure \| Pipeline (Any) \| Condensate \| Released: 8 BBL \| Recovered: 6 BBL \| Lost: 2 BBL. |
| Natural Gas Vented (Mcf) Details | Cause: High Line Pressure \| Pipeline (Any) \| Natural Gas Vented \| Released: 143 MCF \| Recovered: 0 MCF \| Lost: 143 MCF. |
| Natural Gas Flared (Mcf) Details | *Not answered.* |
| Other Released Details | *Not answered.* |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | *Not answered.* |

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

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



## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>386356 |
| | 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) | **No, according to supplied volumes this does not appear to be a "gas only" report.** |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | **No** |
| Reasons why this would be considered a submission for a notification of a major release | *Unavailable.* |
| *With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.* | |

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

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

| | |
|---|---|
| I hereby agree and sign off to the above statement | Name: Sebastian Orozco<br>Title: Sr. Environmental Specialist<br>Email: sorozco@kinetik.com<br>Date: 09/24/2024 |

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

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



## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>386356 |
| | 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.* | |

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

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



## CONDITIONS

| | |
|---|---|
| Operator:<br>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>386356 |
| | Action Type:<br>[C-141] Initial C-141 (C-141-v-Initial) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| nvelez | None | 9/25/2024 |

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

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

QUESTIONS

Action 397409

## QUESTIONS

| | |
|---|---|
| Operator:<br>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>397409 |
| | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

| **Prerequisites** | |
|---|---|
| Incident ID (n#) | **nAPP2426848904** |
| Incident Name | **NAPP2426848904 M-MALJAMAR SUCTION LINE - 12"-09212024 @ 0** |
| Incident Type | **Natural Gas Release** |
| Incident Status | **Initial C-141 Approved** |
| Incident Facility | **[fAPP2123229442] Frontier Field Services Gathering System** |

| **Location of Release Source** | |
|---|---|
| Site Name | **M-Maljamar Suction Line - 12"-09212024** |
| Date Release Discovered | **09/21/2024** |
| 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 | 1,623 |
| What is the estimated number of samples that will be gathered | 20 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 11/01/2024 |
| Time sampling will commence | 03:00 PM |
| Please provide any information necessary for observers to contact samplers | Conner Moerhring (432) 813-6823 |
| Please provide any information necessary for navigation to sampling site | 32.734894, -103.751540 |

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

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



## CONDITIONS

| | |
|---|---|
| Operator:<br>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>397409 |
| | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| sorozco | 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. | 10/30/2024 |

# APPENDIX D

CARMONA RESOURCES

## Nearest Water Well

FRONTIER FIELD SERVICES, LLC

55' GWDB - 2024 - DRY

M-Maljamar Suction Line - 12" - (09.21.2024)

429.49' - Drilled 1986

700' - Drilled 1985

**Legend**

- 0.48 Miles
- 0.50 Mile Radius
- 0.90 Miles
- 1.63 Miles
- Groundwater Determination Bore
- M-Maljamar Suction Line - 12" - (09.21.2024)
- NMSEO Water Well
- USGS Water Well

Google Earth

Image © 2024 Airbus

1 mi

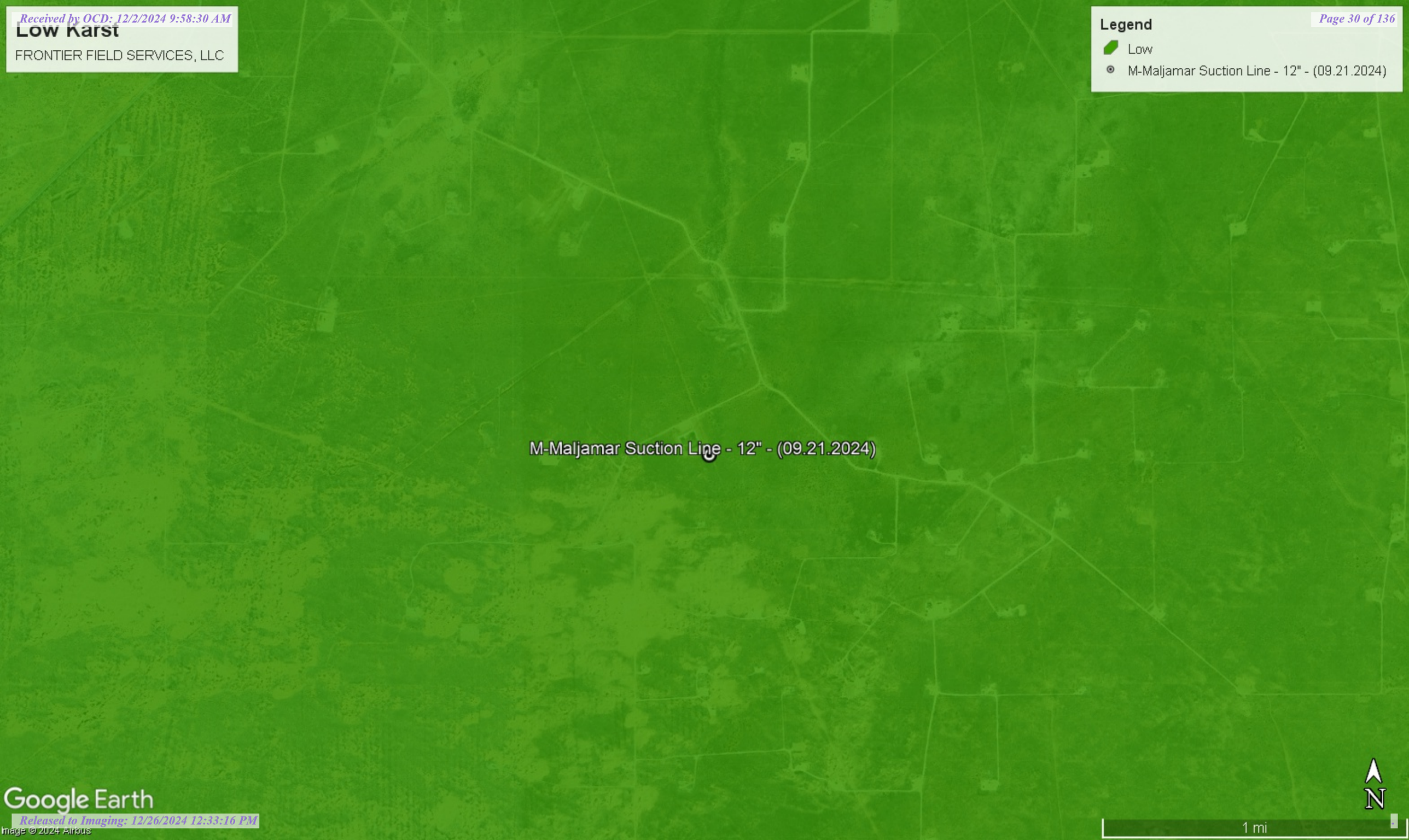
N

## Low Karst

FRONTIER FIELD SERVICES, LLC

**Legend**

- Low
- M-Maljamar Suction Line - 12" - (09.21.2024)



*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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CP 00677 | | CP | LE | | NW | NW | 26 | 18S | 32E | 617750.0 | 3621373.0 * | | 1444 | 700 | | |
| CP 01986 POD1 | | CP | LE | NW | NW | NE | 16 | 18S | 32E | 615292.4 | 3624605.5 | | 2623 | 55 | | |
| CP 02001 POD1 | | CP | LE | NE | SW | NW | 10 | 18S | 32E | 616091.2 | 3625869.6 | | 3395 | 55 | | |

Average Depth to Water: **0 feet**

Minimum Depth: **0 feet**

Maximum Depth: **0 feet**

**Record Count:** 3

**UTM Filters (in meters):**

**Easting:** 616972.52

**Northing:** 3622590.50

**Radius:** 4000

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

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Metho measu |
|---|---|---|---|---|---|---|---|---|

Groundwater | New Mexico | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- How are we doing? We want to hear from you. Take our quick survey to tell us what you think.

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

## Search Results -- 1 sites found

**Agency code =** usgs
**site_no list =**
- 324342103451501

**Minimum number of levels =** 1
Save file of selected sites to local disk for future upload

## USGS 324342103451501 18S.32E.22.32322

Lea County, New Mexico
Latitude 32°43'42", Longitude 103°45'15" NAD27
Land-surface elevation 3,761 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

**Output formats**

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

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water-level approval status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1968-03-18 | | D | 62610 | | 3327.83 | NGVD29 | 1 | Z | | | A |
| 1968-03-18 | | D | 62611 | | 3329.40 | NAVD88 | 1 | Z | | | A |
| 1968-03-18 | | D | 72019 | 431.60 | | | 1 | Z | | | A |
| 1971-04-06 | | D | 62610 | | 3325.02 | NGVD29 | 1 | Z | | | A |
| 1971-04-06 | | D | 62611 | | 3326.59 | NAVD88 | 1 | Z | | | A |
| 1971-04-06 | | D | 72019 | 434.41 | | | 1 | Z | | | A |
| 1976-05-21 | | D | 62610 | | 3331.54 | NGVD29 | 1 | Z | | | A |
| 1976-05-21 | | D | 62611 | | 3333.11 | NAVD88 | 1 | Z | | | A |
| 1976-05-21 | | D | 72019 | 427.89 | | | 1 | Z | | | A |
| 1981-03-12 | | D | 62610 | | 3331.19 | NGVD29 | 1 | Z | | | A |
| 1981-03-12 | | D | 62611 | | 3332.76 | NAVD88 | 1 | Z | | | A |
| 1981-03-12 | | D | 72019 | 428.24 | | | 1 | Z | | | A |
| 1986-03-25 | | D | 62610 | | 3329.94 | NGVD29 | 1 | Z | | | A |
| 1986-03-25 | | D | 62611 | | 3331.51 | NAVD88 | 1 | Z | | | A |
| 1986-03-25 | | D | 72019 | 429.49 | | | 1 | Z | | | A |

**Explanation**

| Section | Code | Description |
|---|---|---|
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Parameter code | 62610 | Groundwater level above NGVD 1929, feet |
| Parameter code | 62611 | Groundwater level above NAVD 1988, feet |
| Parameter code | 72019 | Depth to water level, feet below land surface |
| Referenced vertical datum | NAVD88 | North American Vertical Datum of 1988 |
| Referenced vertical datum | NGVD29 | National Geodetic Vertical Datum of 1929 |

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Metho measu |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| | | |
|---|---|---|
| Water-level approval status | A | Approved for publication -- Processing and review completed. |

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes


**Title: Groundwater for New Mexico: Water Levels**
**URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?**

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-10-22 10:15:35 EDT
0.33 0.23 nadww01

Revised June 1972

STATE ENGINEER OFFICE

# WELL RECORD

475430

## Section 1. GENERAL INFORMATION

(A) Owner of well T X O Prod. Owner's Well No. _____
Street or Post Office Address c/o Glenn's Water Well Service, Inc.
City and State Box 692 Tatum, New Mexico 88267

Well was drilled under Permit No. CP-677 and is located in the:

a. _____ ¼ W½ ¼ NW ¼ NW ¼ of Section 26 Township 18-S. Range 32-E. N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Glenn's Water Well Service License No. WD 421

Address Box 692 Tatum, New Mexico 88267

Drilling Began 5/9/85 Completed 5/9/85 Type tools Rotary Size of hole 7 7/8 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 700 ft.

Completed well is [X] shallow [ ] artesian. Depth to water upon completion of well _____ ft.

## Section 2. PRINCIPAL WATER-BEARING STRATA

| Depth in Feet From | Depth in Feet To | Thickness in Feet | Description of Water-Bearing Formation | Estimated Yield (gallons per minute) |
|---|---|---|---|---|
| | | | | |
| | | | Dry Hole | |
| | | | | |
| | | | | |

## Section 3. RECORD OF CASING

| Diameter (inches) | Pounds per foot | Threads per in. | Depth in Feet Top | Depth in Feet Bottom | Length (feet) | Type of Shoe | Perforations From | Perforations To |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

## Section 4. RECORD OF MUDDING AND CEMENTING

| Depth in Feet From | Depth in Feet To | Hole Diameter | Sacks of Mud | Cubic Feet of Cement | Method of Placement |
|---|---|---|---|---|---|
| | well was pluged | with sand | and mud | | |
| | | | | | |
| | | | | | |

## Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

| No. | Depth in Feet Top | Depth in Feet Bottom | Cubic Feet of Cement |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

FOR USE OF STATE ENGINEER ONLY

Date Received May 15, 1985

Quad _____ FWL _____ FSL _____

File No. CP-677 Use OWD Location No. 18.32.26.11143

Section 6. LOG OF HOLE

| Depth in Feet From | Depth in Feet To | Thickness in Feet | Color and Type of Material Encountered |
|---|---|---|---|
| 0 | 12 | 12 | sand-loose |
| 12 | 24 | 12 | clay |
| 24 | 47 | 23 | caleche |
| 47 | 58 | 11 | sand |
| 58 | 84 | 26 | sandy clay |
| 84 | 102 | 18 | red clay sticky |
| 102 | 116 | 14 | sand and gravel |
| 116 | 142 | 26 | red clay sticky |
| 142 | 315 | 173 | brown clay |
| 315 | 325 | 10 | purple clay |
| 325 | 378 | 53 | red clay |
| 378 | 408 | 30 | pink red clay |
| 408 | 440 | 32 | brown shale and blue streaks |
| 440 | 500 | 60 | brown shale-grainey |
| 500 | 530 | 30 | sand rock -fine |
| 530 | 545 | 15 | brown shale |
| 545 | 605 | 60 | sand rock-medium |
| 605 | 616 | 11 | brown shale |
| 616 | 675 | 59 | sand rock |
| 675 | 700 | 25 | red shale |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Section 7. REMARKS AND ADDITIONAL INFORMATION

MAY 15 8 28 AM '05
STATE ENGINEER
ROSWELL, NM

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Corky Gomez
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

# WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

**1. GENERAL AND WELL LOCATION**

| OSE POD NO. (WELL NO.) | WELL TAG ID NO. | OSE FILE NO(S). |
|---|---|---|
| pod 1 | | CP-01986 |

| WELL OWNER NAME(S) | PHONE (OPTIONAL) |
|---|---|
| Coterra Energy Co. (James Hawley)-agent | |

| WELL OWNER MAILING ADDRESS | CITY | STATE | ZIP |
|---|---|---|---|
| P.O. BOX 3641 | Hobbs | NM | 88241 |

| WELL LOCATION (FROM GPS) | | DEGREES | MINUTES | SECONDS | |
|---|---|---|---|---|---|
| | LATITUDE | 32 | 45 | 11.79 | N |
| | LONGITUDE | 103 | 46 | 9.37 | W |

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

**2. DRILLING & CASING INFORMATION**

| LICENSE NO. | NAME OF LICENSED DRILLER | NAME OF WELL DRILLING COMPANY |
|---|---|---|
| WD-1862 | James Hawley | H&R Enterprises, LLC. |

| DRILLING STARTED | DRILLING ENDED | DEPTH OF COMPLETED WELL (FT) | BORE HOLE DEPTH (FT) | DEPTH WATER FIRST ENCOUNTERED (FT) |
|---|---|---|---|---|
| 1/31/24 | 1/31/24 | 55' | 55' | N/A |

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 2/3/24

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

| DEPTH (feet bgl) FROM | DEPTH (feet bgl) TO | BORE HOLE DIAM (inches) | CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) | CASING CONNECTION TYPE (add coupling diameter) | CASING INSIDE DIAM. (inches) | CASING WALL THICKNESS (inches) | SLOT SIZE (inches) |
|---|---|---|---|---|---|---|---|
| 0' | 55' | 4 3/4 | no casing left in hole | | | | |

**3. ANNULAR MATERIAL**

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

OSE DII FEB 12 2024 PM1:05

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

| FILE NO. CP-1986-POD1 | POD NO. 1 | TRN NO. 755205 | |
|---|---|---|---|
| LOCATION Exp 18.32.16.112 | | WELL TAG ID NO. — | PAGE 1 OF 2 |

**4. HYDROGEOLOGIC LOG OF WELL**

| DEPTH (feet bgl) FROM | DEPTH (feet bgl) TO | THICKNESS (feet) | COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)** | WATER BEARING? (YES / NO) | ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm) |
|---|---|---|---|---|---|
| 0' | 10' | 10' | sand | Y ✓ N | |
| 10' | 15' | 5' | caliche | Y ✓ N | |
| 15' | 45' | 30' | sandy caliche | Y ✓ N | |
| 45' | 55' | 10' | red sand | Y ✓ N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |
| | | | | Y N | |

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☑ OTHER – SPECIFY: dry hole

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

**5. TEST; RIG SUPERVISION**

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: well was gauged for water on 2/3/24, well was dry, temporary well casing was removed. bore hole was backfilled to 10' BGS will drill cuttings, then hydrated bentonite chips were poured from 10' BGS to surface.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Nathan Smelcer

**6. SIGNATURE**

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

OSE DII FEB 12 2024 PM1:06

James Hawley — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

2/9/24 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

| FILE NO. CP-1986-POD 1 | POD NO. 1 | TRN NO. 755205 | |
|---|---|---|---|
| LOCATION Exp 18.32.16.112 | | WELL TAG ID NO. | PAGE 2 OF 2 |

Mike A. Hamman, P.E.
State Engineer

...well Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 755205
File Nbr: CP 01986
Well File Nbr: CP 01986 POD1

Jan. 12, 2024

JAMES HAWLEY
COTERRA ENERGY CO.
P.O. BOX 3641
HOBBS, NM 88241

Greetings:

The above numbered permit was issued in your name on 01/23/2024.

The Well Record was received in this office on 02/12/2024, stating that it had been completed on 01/31/2024, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 01/22/2025.

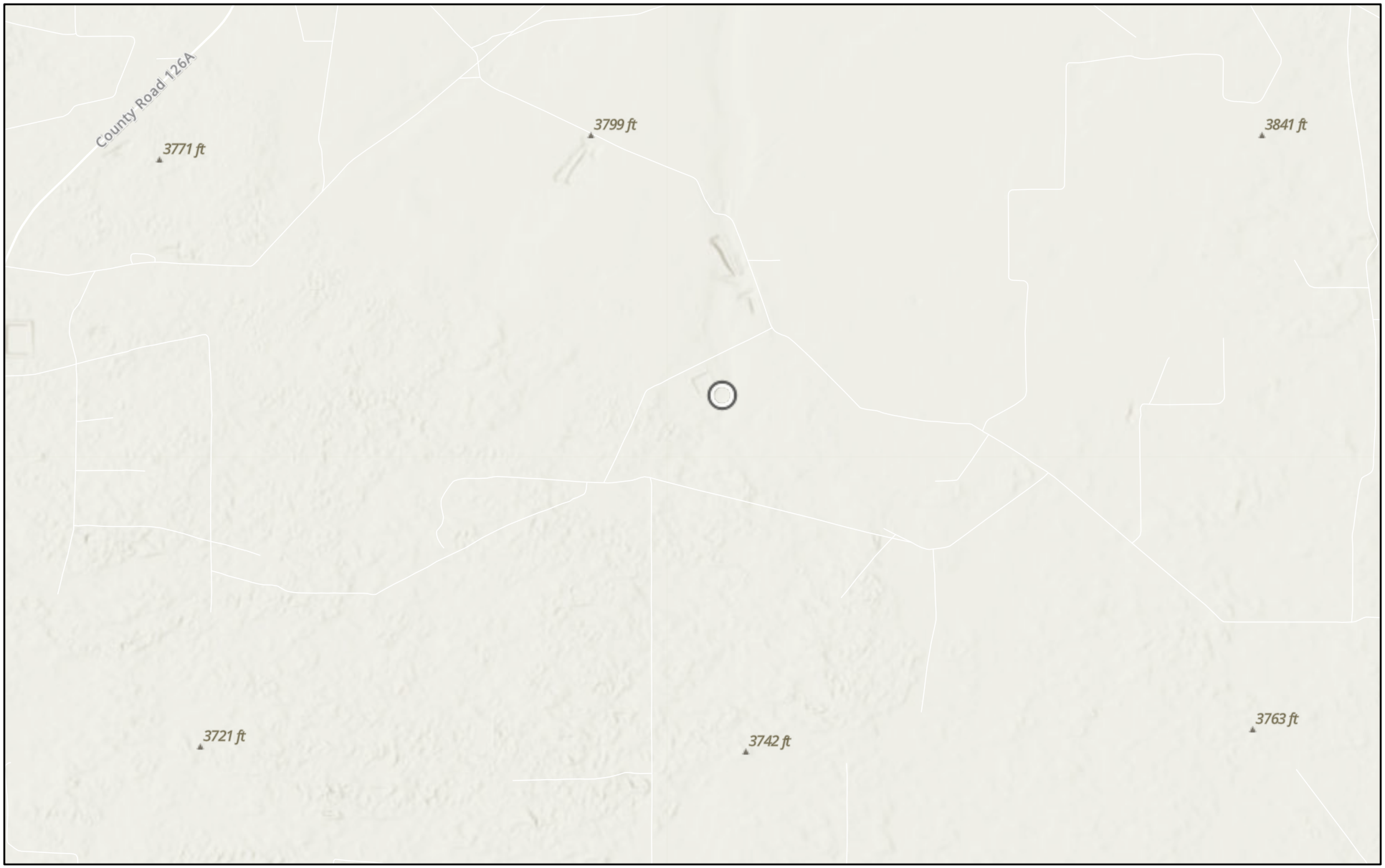
If you have any questions, please feel free to contact us.

Sincerely,

Maret Thompson
(575)622-6521

drywell

# M-Maljamar Suction Line - 12" - (09.21.2024)




10/22/2024

World Hillshade

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS,

# APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 10/24/2024 3:53:14 PM

## JOB DESCRIPTION

M-Maljamar Suction Line-12-S-09212024
Lea County, New Mexico

## JOB NUMBER

880-50147-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

# 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
10/24/2024 3:53:14 PM

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

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Laboratory Job ID: 880-50147-1
SDG: Lea County, New Mexico

# Table of Contents

# Definitions/Glossary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50147-1
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: 880-50147-1
Project: M-Maljamar Suction Line-12-S-09212024

## Job ID: 880-50147-1 Eurofins Midland

**Job Narrative**
**880-50147-1**

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

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

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

**Receipt**
The samples were received on 10/23/2024 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -6.7°C.

**Receipt Exceptions**
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (3') (880-50147-1) and S-2 (5') (880-50147-2).

**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: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50147-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-50147-1**
**Matrix: Solid**
**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 19:55 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 19:55 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 19:55 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 19:55 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 19:55 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 19:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *124* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 19:55* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 19:55* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00401 | U | 0.00401 | | mg/Kg | | | 10/23/24 19:55 | 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 | | | 10/24/24 14:50 | 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 | | 10/23/24 15:17 | 10/24/24 14:50 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 14:50 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 14:50 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *98* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 14:50* | *1* |
| *o-Terphenyl* | *108* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 14:50* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **20.4** | | 10.1 | | mg/Kg | | | 10/24/24 02:39 | 1 |

## Client Sample ID: S-2 (5')

**Lab Sample ID: 880-50147-2**
**Matrix: Solid**
**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 19:08 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 19:08 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 19:08 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 19:08 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 19:08 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 19:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 19:08* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 19:08* | *1* |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50147-1
SDG: Lea County, New Mexico

## Client Sample ID: S-2 (5')

**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

## Lab Sample ID: 880-50147-2

**Matrix: Solid**

### 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 | | | 10/23/24 19:08 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **117** | | 49.7 | | mg/Kg | | | 10/24/24 15:11 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7 | U | 49.7 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 15:11 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **117** | | 49.7 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 15:11 | 1 |
| Oil Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 15:11 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *103* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 15:11* | *1* |
| *o-Terphenyl* | *110* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 15:11* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **177** | | 10.1 | | mg/Kg | | | 10/24/24 02:59 | 1 |

# Surrogate Summary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50147-1
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) |
| 880-50094-A-1-G MS | Matrix Spike | 97 | 101 |
| 880-50094-A-1-H MSD | Matrix Spike Duplicate | 103 | 101 |
| 880-50147-1 | S-1 (3') | 124 | 99 |
| 880-50147-2 | S-2 (5') | 100 | 99 |
| 880-50149-A-1-C MS | Matrix Spike | 112 | 102 |
| 880-50149-A-1-D MSD | Matrix Spike Duplicate | 105 | 104 |
| LCS 880-93913/1-A | Lab Control Sample | 98 | 100 |
| LCSD 880-93913/2-A | Lab Control Sample Dup | 98 | 100 |
| MB 880-93913/5-A | Method Blank | 106 | 86 |

**Surrogate Legend**

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

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

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

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | BFB2 | DFBZ2 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| LCS 880-93959/1-A | Lab Control Sample | 103 | 100 |
| LCSD 880-93959/2-A | Lab Control Sample Dup | 110 | 102 |
| MB 880-93959/5-A | Method Blank | 98 | 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) | |
|---|---|---|---|
| | | 1CO1 | OTPH1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 880-50147-1 | S-1 (3') | 98 | 108 |
| 880-50147-1 MS | S-1 (3') | 99 | 94 |
| 880-50147-1 MSD | S-1 (3') | 101 | 96 |
| 880-50147-2 | S-2 (5') | 103 | 110 |
| LCS 880-93958/2-A | Lab Control Sample | 78 | 75 |
| LCSD 880-93958/3-A | Lab Control Sample Dup | 83 | 81 |
| MB 880-93958/1-A | Method Blank | 109 | 118 |

**Surrogate Legend**

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

# QC Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50147-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: MB 880-93913/5-A**
**Matrix: Solid**
**Analysis Batch: 93908**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 93913**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 08:35 | 10/23/24 11:20 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 08:35 | 10/23/24 11:20 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 08:35 | 10/23/24 11:20 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/24 08:35 | 10/23/24 11:20 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 08:35 | 10/23/24 11:20 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/24 08:35 | 10/23/24 11:20 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *70 - 130* | *10/23/24 08:35* | *10/23/24 11:20* | *1* |
| *1,4-Difluorobenzene (Surr)* | *86* | | *70 - 130* | *10/23/24 08:35* | *10/23/24 11:20* | *1* |

**Lab Sample ID: LCS 880-93913/1-A**
**Matrix: Solid**
**Analysis Batch: 93908**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 93913**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1019 | | mg/Kg | | 102 | 70 - 130 |
| Toluene | 0.100 | 0.1025 | | mg/Kg | | 102 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09885 | | mg/Kg | | 99 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1948 | | mg/Kg | | 97 | 70 - 130 |
| o-Xylene | 0.100 | 0.09746 | | mg/Kg | | 97 | 70 - 130 |

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

**Lab Sample ID: LCSD 880-93913/2-A**
**Matrix: Solid**
**Analysis Batch: 93908**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 93913**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1032 | | mg/Kg | | 103 | 70 - 130 | 1 | 35 |
| Toluene | 0.100 | 0.1021 | | mg/Kg | | 102 | 70 - 130 | 0 | 35 |
| Ethylbenzene | 0.100 | 0.09933 | | mg/Kg | | 99 | 70 - 130 | 0 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1956 | | mg/Kg | | 98 | 70 - 130 | 0 | 35 |
| o-Xylene | 0.100 | 0.09790 | | mg/Kg | | 98 | 70 - 130 | 0 | 35 |

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

**Lab Sample ID: 880-50094-A-1-G MS**
**Matrix: Solid**
**Analysis Batch: 93908**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 93913**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.100 | 0.1081 | | mg/Kg | | 108 | 70 - 130 |
| Toluene | <0.00201 | U | 0.100 | 0.1070 | | mg/Kg | | 107 | 70 - 130 |

# QC Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50147-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-50094-A-1-G MS**
**Matrix: Solid**
**Analysis Batch: 93908**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 93913**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | <0.00201 | U | 0.100 | 0.1039 | | mg/Kg | | 104 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.200 | 0.2044 | | mg/Kg | | 102 | 70 - 130 |
| o-Xylene | <0.00201 | U | 0.100 | 0.1017 | | mg/Kg | | 102 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* |

**Lab Sample ID: 880-50094-A-1-H MSD**
**Matrix: Solid**
**Analysis Batch: 93908**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 93913**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.100 | 0.1126 | | mg/Kg | | 113 | 70 - 130 | 4 | 35 |
| Toluene | <0.00201 | U | 0.100 | 0.1116 | | mg/Kg | | 112 | 70 - 130 | 4 | 35 |
| Ethylbenzene | <0.00201 | U | 0.100 | 0.1074 | | mg/Kg | | 107 | 70 - 130 | 3 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.200 | 0.2103 | | mg/Kg | | 105 | 70 - 130 | 3 | 35 |
| o-Xylene | <0.00201 | U | 0.100 | 0.1048 | | mg/Kg | | 105 | 70 - 130 | 3 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *103* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* |

**Lab Sample ID: MB 880-93959/5-A**
**Matrix: Solid**
**Analysis Batch: 93910**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 93959**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:04 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:04 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:04 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:04 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:04 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:04 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 17:04* | *1* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 17:04* | *1* |

**Lab Sample ID: LCS 880-93959/1-A**
**Matrix: Solid**
**Analysis Batch: 93910**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 93959**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.08946 | | mg/Kg | | 89 | 70 - 130 |
| Toluene | 0.100 | 0.08879 | | mg/Kg | | 89 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09632 | | mg/Kg | | 96 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1798 | | mg/Kg | | 90 | 70 - 130 |

# QC Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50147-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: LCS 880-93959/1-A**
**Matrix: Solid**
**Analysis Batch: 93910**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 93959**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| o-Xylene | | | 0.100 | 0.09852 | | mg/Kg | | 99 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *103* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* |

**Lab Sample ID: LCSD 880-93959/2-A**
**Matrix: Solid**
**Analysis Batch: 93910**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 93959**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1002 | | mg/Kg | | 100 | 70 - 130 | 11 | 35 |
| Toluene | | | 0.100 | 0.09857 | | mg/Kg | | 99 | 70 - 130 | 10 | 35 |
| Ethylbenzene | | | 0.100 | 0.1073 | | mg/Kg | | 107 | 70 - 130 | 11 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1995 | | mg/Kg | | 100 | 70 - 130 | 10 | 35 |
| o-Xylene | | | 0.100 | 0.1103 | | mg/Kg | | 110 | 70 - 130 | 11 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* |

**Lab Sample ID: 880-50149-A-1-C MS**
**Matrix: Solid**
**Analysis Batch: 93910**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 93959**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.100 | 0.09208 | | mg/Kg | | 92 | 70 - 130 | | |
| Toluene | <0.00201 | U | 0.100 | 0.09103 | | mg/Kg | | 91 | 70 - 130 | | |
| Ethylbenzene | <0.00201 | U | 0.100 | 0.09836 | | mg/Kg | | 98 | 70 - 130 | | |
| m-Xylene & p-Xylene | <0.00402 | U | 0.200 | 0.1850 | | mg/Kg | | 93 | 70 - 130 | | |
| o-Xylene | <0.00201 | U | 0.100 | 0.09771 | | mg/Kg | | 98 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *112* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* |

**Lab Sample ID: 880-50149-A-1-D MSD**
**Matrix: Solid**
**Analysis Batch: 93910**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 93959**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.100 | 0.09834 | | mg/Kg | | 98 | 70 - 130 | 7 | 35 |
| Toluene | <0.00201 | U | 0.100 | 0.09528 | | mg/Kg | | 95 | 70 - 130 | 5 | 35 |
| Ethylbenzene | <0.00201 | U | 0.100 | 0.1031 | | mg/Kg | | 103 | 70 - 130 | 5 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.200 | 0.1893 | | mg/Kg | | 95 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.00201 | U | 0.100 | 0.1034 | | mg/Kg | | 103 | 70 - 130 | 6 | 35 |

# QC Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50147-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-50149-A-1-D MSD**
**Matrix: Solid**
**Analysis Batch: 93910**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 93959**

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *105* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* |

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

**Lab Sample ID: MB 880-93958/1-A**
**Matrix: Solid**
**Analysis Batch: 93976**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 93958**

| 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 | | 10/23/24 15:17 | 10/24/24 08:31 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 08:31 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 08:31 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *109* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 08:31* | *1* |
| *o-Terphenyl* | *118* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 08:31* | *1* |

**Lab Sample ID: LCS 880-93958/2-A**
**Matrix: Solid**
**Analysis Batch: 93976**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 93958**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 960.5 | | mg/Kg | | 96 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 823.7 | | mg/Kg | | 82 | 70 - 130 | | |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| *1-Chlorooctane* | *78* | | *70 - 130* |
| *o-Terphenyl* | *75* | | *70 - 130* |

**Lab Sample ID: LCSD 880-93958/3-A**
**Matrix: Solid**
**Analysis Batch: 93976**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 93958**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 934.6 | | mg/Kg | | 93 | 70 - 130 | 3 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 838.0 | | mg/Kg | | 84 | 70 - 130 | 2 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| *1-Chlorooctane* | *83* | | *70 - 130* |
| *o-Terphenyl* | *81* | | *70 - 130* |

# QC Sample Results

Client: Carmona Resources
Job ID: 880-50147-1
Project/Site: M-Maljamar Suction Line-12-S-09212024
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-50147-1 MS** — **Client Sample ID: S-1 (3')**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 93976** — **Prep Batch: 93958**

| 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 | 874.8 | | mg/Kg | | 88 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 999 | 841.8 | | mg/Kg | | 84 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *99* | | *70 - 130* |
| *o-Terphenyl* | *94* | | *70 - 130* |

**Lab Sample ID: 880-50147-1 MSD** — **Client Sample ID: S-1 (3')**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 93976** — **Prep Batch: 93958**

| 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 | 890.9 | | mg/Kg | | 89 | 70 - 130 | 2 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 999 | 874.4 | | mg/Kg | | 88 | 70 - 130 | 4 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *101* | | *70 - 130* |
| *o-Terphenyl* | *96* | | *70 - 130* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-93957/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 93968**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.0 | U | 10.0 | | mg/Kg | | | 10/24/24 00:42 | 1 |

**Lab Sample ID: LCS 880-93957/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 93968**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 251.4 | | mg/Kg | | 101 | 90 - 110 |

**Lab Sample ID: LCSD 880-93957/3-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 93968**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 250 | 252.6 | | mg/Kg | | 101 | 90 - 110 | 0 | 20 |

# QC Sample Results

Client: Carmona Resources
Job ID: 880-50147-1
Project/Site: M-Maljamar Suction Line-12-S-09212024
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-50147-1 MS**
**Matrix: Solid**
**Analysis Batch: 93968**

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

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 20.4 | | 252 | 273.2 | | mg/Kg | | 100 | 90 - 110 | | |

**Lab Sample ID: 880-50147-1 MSD**
**Matrix: Solid**
**Analysis Batch: 93968**

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

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 20.4 | | 252 | 274.0 | | mg/Kg | | 101 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50147-1
SDG: Lea County, New Mexico

## GC VOA

### Analysis Batch: 93908

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50147-1 | S-1 (3') | Total/NA | Solid | 8021B | 93913 |
| MB 880-93913/5-A | Method Blank | Total/NA | Solid | 8021B | 93913 |
| LCS 880-93913/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 93913 |
| LCSD 880-93913/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 93913 |
| 880-50094-A-1-G MS | Matrix Spike | Total/NA | Solid | 8021B | 93913 |
| 880-50094-A-1-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 93913 |

### Analysis Batch: 93910

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50147-2 | S-2 (5') | Total/NA | Solid | 8021B | 93959 |
| MB 880-93959/5-A | Method Blank | Total/NA | Solid | 8021B | 93959 |
| LCS 880-93959/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 93959 |
| LCSD 880-93959/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 93959 |
| 880-50149-A-1-C MS | Matrix Spike | Total/NA | Solid | 8021B | 93959 |
| 880-50149-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 93959 |

### Prep Batch: 93913

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50147-1 | S-1 (3') | Total/NA | Solid | 5035 | |
| MB 880-93913/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-93913/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-93913/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-50094-A-1-G MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-50094-A-1-H MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Prep Batch: 93959

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50147-2 | S-2 (5') | Total/NA | Solid | 5035 | |
| MB 880-93959/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-93959/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-93959/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-50149-A-1-C MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-50149-A-1-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

### Analysis Batch: 93992

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50147-1 | S-1 (3') | Total/NA | Solid | Total BTEX | |
| 880-50147-2 | S-2 (5') | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Prep Batch: 93958

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50147-1 | S-1 (3') | Total/NA | Solid | 8015NM Prep | |
| 880-50147-2 | S-2 (5') | Total/NA | Solid | 8015NM Prep | |
| MB 880-93958/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-93958/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-93958/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-50147-1 MS | S-1 (3') | Total/NA | Solid | 8015NM Prep | |
| 880-50147-1 MSD | S-1 (3') | Total/NA | Solid | 8015NM Prep | |

# QC Association Summary

Client: Carmona Resources
Job ID: 880-50147-1
Project/Site: M-Maljamar Suction Line-12-S-09212024
SDG: Lea County, New Mexico

## GC Semi VOA

### Analysis Batch: 93976

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50147-1 | S-1 (3') | Total/NA | Solid | 8015B NM | 93958 |
| 880-50147-2 | S-2 (5') | Total/NA | Solid | 8015B NM | 93958 |
| MB 880-93958/1-A | Method Blank | Total/NA | Solid | 8015B NM | 93958 |
| LCS 880-93958/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 93958 |
| LCSD 880-93958/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 93958 |
| 880-50147-1 MS | S-1 (3') | Total/NA | Solid | 8015B NM | 93958 |
| 880-50147-1 MSD | S-1 (3') | Total/NA | Solid | 8015B NM | 93958 |

### Analysis Batch: 94043

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50147-1 | S-1 (3') | Total/NA | Solid | 8015 NM | |
| 880-50147-2 | S-2 (5') | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 93957

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50147-1 | S-1 (3') | Soluble | Solid | DI Leach | |
| 880-50147-2 | S-2 (5') | Soluble | Solid | DI Leach | |
| MB 880-93957/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-93957/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-93957/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-50147-1 MS | S-1 (3') | Soluble | Solid | DI Leach | |
| 880-50147-1 MSD | S-1 (3') | Soluble | Solid | DI Leach | |

### Analysis Batch: 93968

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50147-1 | S-1 (3') | Soluble | Solid | 300.0 | 93957 |
| 880-50147-2 | S-2 (5') | Soluble | Solid | 300.0 | 93957 |
| MB 880-93957/1-A | Method Blank | Soluble | Solid | 300.0 | 93957 |
| LCS 880-93957/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 93957 |
| LCSD 880-93957/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 93957 |
| 880-50147-1 MS | S-1 (3') | Soluble | Solid | 300.0 | 93957 |
| 880-50147-1 MSD | S-1 (3') | Soluble | Solid | 300.0 | 93957 |

# Lab Chronicle

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50147-1
SDG: Lea County, New Mexico

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

**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

## Lab Sample ID: 880-50147-1

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 93913 | 10/23/24 15:20 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 93908 | 10/23/24 19:55 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 93992 | 10/23/24 19:55 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94043 | 10/24/24 14:50 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 93958 | 10/23/24 15:17 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 93976 | 10/24/24 14:50 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 93957 | 10/23/24 14:54 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 93968 | 10/24/24 02:39 | CH | EET MID |

## Client Sample ID: S-2 (5')

**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

## Lab Sample ID: 880-50147-2

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 93959 | 10/23/24 15:20 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 93910 | 10/23/24 19:08 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 93992 | 10/23/24 19:08 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94043 | 10/24/24 15:11 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.06 g | 10 mL | 93958 | 10/23/24 15:17 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 93976 | 10/24/24 15:11 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 93957 | 10/23/24 14:54 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 93968 | 10/24/24 02:59 | CH | EET MID |

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-50147-1
Project/Site: M-Maljamar Suction Line-12-S-09212024
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 | 06-30-25 |

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

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

# Method Summary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50147-1
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: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50147-1
SDG: Lea County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 880-50147-1 | S-1 (3') | Solid | 10/18/24 00:00 | 10/23/24 14:30 |
| 880-50147-2 | S-2 (5') | Solid | 10/18/24 00:00 | 10/23/24 14:30 |

# Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-50147-1
SDG Number: Lea County, New Mexico

**Login Number: 50147**
**List Number: 1**
**Creator: Rodriguez, Leticia**

**List Source: Eurofins Midland**

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

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 10/25/2024 12:34:24 PM

## JOB DESCRIPTION

M-Maljamar Suction Line-12-S-09212024
Lea County, New Mexico

## JOB NUMBER

880-50149-1

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
10/25/2024 12:34:24 PM

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

# Table of Contents

# Definitions/Glossary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
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: 880-50149-1
Project: M-Maljamar Suction Line-12-S-09212024

## Job ID: 880-50149-1 Eurofins Midland

**Job Narrative**
**880-50149-1**

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

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

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

**Receipt**
The samples were received on 10/23/2024 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -6.5°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
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-50149-1**
**Matrix: Solid**
**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:26 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:26 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:26 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:26 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:26 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *113* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 17:26* | *1* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 17:26* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/23/24 17:26 | 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 | | | 10/24/24 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 | <49.8 | U | 49.8 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 15:31 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 15:31 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 15:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *91* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 15:31* | *1* |
| *o-Terphenyl* | *98* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 15:31* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **17.0** | | 9.92 | | mg/Kg | | | 10/24/24 03:06 | 1 |

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

**Lab Sample ID: 880-50149-2**
**Matrix: Solid**
**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:46 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:46 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:46 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:46 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:46 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 17:46* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 17:46* | *1* |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
SDG: Lea County, New Mexico

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

**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

**Lab Sample ID: 880-50149-2**
**Matrix: Solid**

### 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 | | | 10/23/24 17:46 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 10/24/24 15:51 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 15:51 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 15:51 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 15:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *87* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 15:51* | *1* |
| *o-Terphenyl* | *93* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 15:51* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.0 | U | 10.0 | | mg/Kg | | | 10/24/24 03:27 | 1 |

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

**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

**Lab Sample ID: 880-50149-3**
**Matrix: Solid**

### 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 | | 10/23/24 15:20 | 10/23/24 18:07 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:07 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:07 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:07 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:07 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:07 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 18:07* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 18:07* | *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 | | | 10/23/24 18:07 | 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 | | | 10/24/24 16:12 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 16:12 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 16:12 | 1 |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
SDG: Lea County, New Mexico

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

**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

**Lab Sample ID: 880-50149-3**
**Matrix: Solid**

### 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 | | 10/23/24 15:17 | 10/24/24 16:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *91* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 16:12* | *1* |
| *o-Terphenyl* | *94* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 16:12* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **10.9** | | 9.90 | | mg/Kg | | | 10/24/24 03:34 | 1 |

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

**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

**Lab Sample ID: 880-50149-4**
**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 | | 10/23/24 15:20 | 10/23/24 18:27 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:27 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:27 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:27 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:27 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 18:27* | *1* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 18:27* | *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 | | | 10/23/24 18:27 | 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 | | | 10/24/24 16:32 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 16:32 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 16:32 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 16:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *115* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 16:32* | *1* |
| *o-Terphenyl* | *117* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 16:32* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **27.7** | | 9.90 | | mg/Kg | | | 10/24/24 03:41 | 1 |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
SDG: Lea County, New Mexico

## Client Sample ID: H-5 (0-0.5')

**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

## Lab Sample ID: 880-50149-5

**Matrix: Solid**

### 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 | | 10/23/24 15:20 | 10/23/24 18:48 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:48 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:48 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:48 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:48 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 18:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *103* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 18:48* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 18:48* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00400 | U | 0.00400 | | mg/Kg | | | 10/23/24 18:48 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 10/24/24 17:08 | 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 | | 10/23/24 15:17 | 10/24/24 17:08 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 17:08 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 17:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *90* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 17:08* | *1* |
| *o-Terphenyl* | *91* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 17:08* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <9.92 | U | 9.92 | | mg/Kg | | | 10/24/24 03:48 | 1 |

# Surrogate Summary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
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) |
| 880-50149-1 | H-1 (0-0.5') | 113 | 102 |
| 880-50149-1 MS | H-1 (0-0.5') | 112 | 102 |
| 880-50149-1 MSD | H-1 (0-0.5') | 105 | 104 |
| 880-50149-2 | H-2 (0-0.5') | 102 | 101 |
| 880-50149-3 | H-3 (0-0.5') | 106 | 101 |
| 880-50149-4 | H-4 (0-0.5') | 101 | 102 |
| 880-50149-5 | H-5 (0-0.5') | 103 | 103 |

**Surrogate Legend**

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

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

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

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | BFB2 (70-130) | DFBZ2 (70-130) |
| LCS 880-93959/1-A | Lab Control Sample | 103 | 100 |
| LCSD 880-93959/2-A | Lab Control Sample Dup | 110 | 102 |
| MB 880-93959/5-A | Method Blank | 98 | 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) |
| 880-50147-A-1-F MS | Matrix Spike | 99 | 94 |
| 880-50147-A-1-G MSD | Matrix Spike Duplicate | 101 | 96 |
| 880-50149-1 | H-1 (0-0.5') | 91 | 98 |
| 880-50149-2 | H-2 (0-0.5') | 87 | 93 |
| 880-50149-3 | H-3 (0-0.5') | 91 | 94 |
| 880-50149-4 | H-4 (0-0.5') | 115 | 117 |
| 880-50149-5 | H-5 (0-0.5') | 90 | 91 |
| LCS 880-93958/2-A | Lab Control Sample | 78 | 75 |
| LCSD 880-93958/3-A | Lab Control Sample Dup | 83 | 81 |
| MB 880-93958/1-A | Method Blank | 109 | 118 |

**Surrogate Legend**

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

# QC Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
SDG: Lea County, New Mexico

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

### Lab Sample ID: MB 880-93959/5-A
**Matrix: Solid**
**Analysis Batch: 93910**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 93959**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:04 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:04 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:04 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:04 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:04 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/24 15:20 | 10/23/24 17:04 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 17:04* | *1* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* | *10/23/24 15:20* | *10/23/24 17:04* | *1* |

### Lab Sample ID: LCS 880-93959/1-A
**Matrix: Solid**
**Analysis Batch: 93910**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 93959**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.08946 | | mg/Kg | | 89 | 70 - 130 |
| Toluene | 0.100 | 0.08879 | | mg/Kg | | 89 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09632 | | mg/Kg | | 96 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1798 | | mg/Kg | | 90 | 70 - 130 |
| o-Xylene | 0.100 | 0.09852 | | mg/Kg | | 99 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *103* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* |

### Lab Sample ID: LCSD 880-93959/2-A
**Matrix: Solid**
**Analysis Batch: 93910**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 93959**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1002 | | mg/Kg | | 100 | 70 - 130 | 11 | 35 |
| Toluene | 0.100 | 0.09857 | | mg/Kg | | 99 | 70 - 130 | 10 | 35 |
| Ethylbenzene | 0.100 | 0.1073 | | mg/Kg | | 107 | 70 - 130 | 11 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.1995 | | mg/Kg | | 100 | 70 - 130 | 10 | 35 |
| o-Xylene | 0.100 | 0.1103 | | mg/Kg | | 110 | 70 - 130 | 11 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* |

### Lab Sample ID: 880-50149-1 MS
**Matrix: Solid**
**Analysis Batch: 93910**

**Client Sample ID: H-1 (0-0.5')**
**Prep Type: Total/NA**
**Prep Batch: 93959**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.100 | 0.09208 | | mg/Kg | | 92 | 70 - 130 |
| Toluene | <0.00201 | U | 0.100 | 0.09103 | | mg/Kg | | 91 | 70 - 130 |

# QC Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-50149-1 MS**
**Matrix: Solid**
**Analysis Batch: 93910**

**Client Sample ID: H-1 (0-0.5')**
**Prep Type: Total/NA**
**Prep Batch: 93959**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | <0.00201 | U | 0.100 | 0.09836 | | mg/Kg | | 98 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.200 | 0.1850 | | mg/Kg | | 93 | 70 - 130 |
| o-Xylene | <0.00201 | U | 0.100 | 0.09771 | | mg/Kg | | 98 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *112* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* |

**Lab Sample ID: 880-50149-1 MSD**
**Matrix: Solid**
**Analysis Batch: 93910**

**Client Sample ID: H-1 (0-0.5')**
**Prep Type: Total/NA**
**Prep Batch: 93959**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.100 | 0.09834 | | mg/Kg | | 98 | 70 - 130 | 7 | 35 |
| Toluene | <0.00201 | U | 0.100 | 0.09528 | | mg/Kg | | 95 | 70 - 130 | 5 | 35 |
| Ethylbenzene | <0.00201 | U | 0.100 | 0.1031 | | mg/Kg | | 103 | 70 - 130 | 5 | 35 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.200 | 0.1893 | | mg/Kg | | 95 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.00201 | U | 0.100 | 0.1034 | | mg/Kg | | 103 | 70 - 130 | 6 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *105* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* |

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

**Lab Sample ID: MB 880-93958/1-A**
**Matrix: Solid**
**Analysis Batch: 93976**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 93958**

| 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 | | 10/23/24 15:17 | 10/24/24 08:31 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 08:31 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 10/23/24 15:17 | 10/24/24 08:31 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *109* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 08:31* | *1* |
| *o-Terphenyl* | *118* | | *70 - 130* | *10/23/24 15:17* | *10/24/24 08:31* | *1* |

**Lab Sample ID: LCS 880-93958/2-A**
**Matrix: Solid**
**Analysis Batch: 93976**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 93958**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 960.5 | | mg/Kg | | 96 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 823.7 | | mg/Kg | | 82 | 70 - 130 |

# QC Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: LCS 880-93958/2-A**
**Matrix: Solid**
**Analysis Batch: 93976**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 93958**

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 78 | | 70 - 130 |
| o-Terphenyl | 75 | | 70 - 130 |

**Lab Sample ID: LCSD 880-93958/3-A**
**Matrix: Solid**
**Analysis Batch: 93976**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 93958**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 934.6 | | mg/Kg | | 93 | 70 - 130 | 3 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 838.0 | | mg/Kg | | 84 | 70 - 130 | 2 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 83 | | 70 - 130 |
| o-Terphenyl | 81 | | 70 - 130 |

**Lab Sample ID: 880-50147-A-1-F MS**
**Matrix: Solid**
**Analysis Batch: 93976**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 93958**

| 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 | 874.8 | | mg/Kg | | 88 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 999 | 841.8 | | mg/Kg | | 84 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 99 | | 70 - 130 |
| o-Terphenyl | 94 | | 70 - 130 |

**Lab Sample ID: 880-50147-A-1-G MSD**
**Matrix: Solid**
**Analysis Batch: 93976**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**
**Prep Batch: 93958**

| 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 | 890.9 | | mg/Kg | | 89 | 70 - 130 | 2 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 999 | 874.4 | | mg/Kg | | 88 | 70 - 130 | 4 | 20 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 101 | | 70 - 130 |
| o-Terphenyl | 96 | | 70 - 130 |

# QC Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
SDG: Lea County, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-93957/1-A**
**Matrix: Solid**
**Analysis Batch: 93968**

**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 | | | 10/24/24 00:42 | 1 |

**Lab Sample ID: LCS 880-93957/2-A**
**Matrix: Solid**
**Analysis Batch: 93968**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 251.4 | | mg/Kg | | 101 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-93957/3-A**
**Matrix: Solid**
**Analysis Batch: 93968**

**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 | 252.6 | | mg/Kg | | 101 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 880-50147-A-1-B MS**
**Matrix: Solid**
**Analysis Batch: 93968**

**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 | 20.4 | | 252 | 273.2 | | mg/Kg | | 100 | 90 - 110 | | |

**Lab Sample ID: 880-50147-A-1-C MSD**
**Matrix: Solid**
**Analysis Batch: 93968**

**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 | 20.4 | | 252 | 274.0 | | mg/Kg | | 101 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
SDG: Lea County, New Mexico

## GC VOA

### Analysis Batch: 93910

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50149-1 | H-1 (0-0.5') | Total/NA | Solid | 8021B | 93959 |
| 880-50149-2 | H-2 (0-0.5') | Total/NA | Solid | 8021B | 93959 |
| 880-50149-3 | H-3 (0-0.5') | Total/NA | Solid | 8021B | 93959 |
| 880-50149-4 | H-4 (0-0.5') | Total/NA | Solid | 8021B | 93959 |
| 880-50149-5 | H-5 (0-0.5') | Total/NA | Solid | 8021B | 93959 |
| MB 880-93959/5-A | Method Blank | Total/NA | Solid | 8021B | 93959 |
| LCS 880-93959/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 93959 |
| LCSD 880-93959/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 93959 |
| 880-50149-1 MS | H-1 (0-0.5') | Total/NA | Solid | 8021B | 93959 |
| 880-50149-1 MSD | H-1 (0-0.5') | Total/NA | Solid | 8021B | 93959 |

### Prep Batch: 93959

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50149-1 | H-1 (0-0.5') | Total/NA | Solid | 5035 | |
| 880-50149-2 | H-2 (0-0.5') | Total/NA | Solid | 5035 | |
| 880-50149-3 | H-3 (0-0.5') | Total/NA | Solid | 5035 | |
| 880-50149-4 | H-4 (0-0.5') | Total/NA | Solid | 5035 | |
| 880-50149-5 | H-5 (0-0.5') | Total/NA | Solid | 5035 | |
| MB 880-93959/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-93959/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-93959/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-50149-1 MS | H-1 (0-0.5') | Total/NA | Solid | 5035 | |
| 880-50149-1 MSD | H-1 (0-0.5') | Total/NA | Solid | 5035 | |

### Analysis Batch: 93993

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50149-1 | H-1 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 880-50149-2 | H-2 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 880-50149-3 | H-3 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 880-50149-4 | H-4 (0-0.5') | Total/NA | Solid | Total BTEX | |
| 880-50149-5 | H-5 (0-0.5') | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Prep Batch: 93958

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50149-1 | H-1 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50149-2 | H-2 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50149-3 | H-3 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50149-4 | H-4 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50149-5 | H-5 (0-0.5') | Total/NA | Solid | 8015NM Prep | |
| MB 880-93958/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-93958/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-93958/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-50147-A-1-F MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-50147-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 93976

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50149-1 | H-1 (0-0.5') | Total/NA | Solid | 8015B NM | 93958 |
| 880-50149-2 | H-2 (0-0.5') | Total/NA | Solid | 8015B NM | 93958 |

# QC Association Summary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
SDG: Lea County, New Mexico

## GC Semi VOA (Continued)

### Analysis Batch: 93976 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50149-3 | H-3 (0-0.5') | Total/NA | Solid | 8015B NM | 93958 |
| 880-50149-4 | H-4 (0-0.5') | Total/NA | Solid | 8015B NM | 93958 |
| 880-50149-5 | H-5 (0-0.5') | Total/NA | Solid | 8015B NM | 93958 |
| MB 880-93958/1-A | Method Blank | Total/NA | Solid | 8015B NM | 93958 |
| LCS 880-93958/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 93958 |
| LCSD 880-93958/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 93958 |
| 880-50147-A-1-F MS | Matrix Spike | Total/NA | Solid | 8015B NM | 93958 |
| 880-50147-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 93958 |

### Analysis Batch: 94054

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50149-1 | H-1 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 880-50149-2 | H-2 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 880-50149-3 | H-3 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 880-50149-4 | H-4 (0-0.5') | Total/NA | Solid | 8015 NM | |
| 880-50149-5 | H-5 (0-0.5') | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 93957

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50149-1 | H-1 (0-0.5') | Soluble | Solid | DI Leach | |
| 880-50149-2 | H-2 (0-0.5') | Soluble | Solid | DI Leach | |
| 880-50149-3 | H-3 (0-0.5') | Soluble | Solid | DI Leach | |
| 880-50149-4 | H-4 (0-0.5') | Soluble | Solid | DI Leach | |
| 880-50149-5 | H-5 (0-0.5') | Soluble | Solid | DI Leach | |
| MB 880-93957/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-93957/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-93957/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-50147-A-1-B MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-50147-A-1-C MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

### Analysis Batch: 93968

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50149-1 | H-1 (0-0.5') | Soluble | Solid | 300.0 | 93957 |
| 880-50149-2 | H-2 (0-0.5') | Soluble | Solid | 300.0 | 93957 |
| 880-50149-3 | H-3 (0-0.5') | Soluble | Solid | 300.0 | 93957 |
| 880-50149-4 | H-4 (0-0.5') | Soluble | Solid | 300.0 | 93957 |
| 880-50149-5 | H-5 (0-0.5') | Soluble | Solid | 300.0 | 93957 |
| MB 880-93957/1-A | Method Blank | Soluble | Solid | 300.0 | 93957 |
| LCS 880-93957/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 93957 |
| LCSD 880-93957/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 93957 |
| 880-50147-A-1-B MS | Matrix Spike | Soluble | Solid | 300.0 | 93957 |
| 880-50147-A-1-C MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 93957 |

# Lab Chronicle

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
SDG: Lea County, New Mexico

## Client Sample ID: H-1 (0-0.5')
**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

## Lab Sample ID: 880-50149-1
**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 | | | 4.98 g | 5 mL | 93959 | 10/23/24 15:20 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 93910 | 10/23/24 17:26 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 93993 | 10/23/24 17:26 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94054 | 10/24/24 15:31 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 93958 | 10/23/24 15:17 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 93976 | 10/24/24 15:31 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 93957 | 10/23/24 14:54 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 93968 | 10/24/24 03:06 | CH | EET MID |

## Client Sample ID: H-2 (0-0.5')
**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

## Lab Sample ID: 880-50149-2
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.02 g | 5 mL | 93959 | 10/23/24 15:20 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 93910 | 10/23/24 17:46 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 93993 | 10/23/24 17:46 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94054 | 10/24/24 15:51 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 93958 | 10/23/24 15:17 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 93976 | 10/24/24 15:51 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.00 g | 50 mL | 93957 | 10/23/24 14:54 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 93968 | 10/24/24 03:27 | CH | EET MID |

## Client Sample ID: H-3 (0-0.5')
**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

## Lab Sample ID: 880-50149-3
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 93959 | 10/23/24 15:20 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 93910 | 10/23/24 18:07 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 93993 | 10/23/24 18:07 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94054 | 10/24/24 16:12 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 93958 | 10/23/24 15:17 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 93976 | 10/24/24 16:12 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 93957 | 10/23/24 14:54 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 93968 | 10/24/24 03:34 | CH | EET MID |

## Client Sample ID: H-4 (0-0.5')
**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

## Lab Sample ID: 880-50149-4
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 93959 | 10/23/24 15:20 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 93910 | 10/23/24 18:27 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 93993 | 10/23/24 18:27 | SM | EET MID |

# Lab Chronicle

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
SDG: Lea County, New Mexico

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

**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

## Lab Sample ID: 880-50149-4

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8015 NM | | 1 | | | 94054 | 10/24/24 16:32 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 93958 | 10/23/24 15:17 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 93976 | 10/24/24 16:32 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 93957 | 10/23/24 14:54 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 93968 | 10/24/24 03:41 | CH | EET MID |

## Client Sample ID: H-5 (0-0.5')

**Date Collected: 10/18/24 00:00**
**Date Received: 10/23/24 14:30**

## Lab Sample ID: 880-50149-5

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.00 g | 5 mL | 93959 | 10/23/24 15:20 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 93910 | 10/23/24 18:48 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 93993 | 10/23/24 18:48 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94054 | 10/24/24 17:08 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 93958 | 10/23/24 15:17 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 93976 | 10/24/24 17:08 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 93957 | 10/23/24 15:54 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 93968 | 10/24/24 03:48 | CH | EET MID |

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Carmona Resources
Job ID: 880-50149-1
Project/Site: M-Maljamar Suction Line-12-S-09212024
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 | 06-30-25 |

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

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

# Method Summary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212024

Job ID: 880-50149-1
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
Job ID: 880-50149-1
Project/Site: M-Maljamar Suction Line-12-S-09212024
SDG: Lea County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 880-50149-1 | H-1 (0-0.5') | Solid | 10/18/24 00:00 | 10/23/24 14:30 |
| 880-50149-2 | H-2 (0-0.5') | Solid | 10/18/24 00:00 | 10/23/24 14:30 |
| 880-50149-3 | H-3 (0-0.5') | Solid | 10/18/24 00:00 | 10/23/24 14:30 |
| 880-50149-4 | H-4 (0-0.5') | Solid | 10/18/24 00:00 | 10/23/24 14:30 |
| 880-50149-5 | H-5 (0-0.5') | Solid | 10/18/24 00:00 | 10/23/24 14:30 |

# Chain of Custody

880-50149 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: | 432-813-1992 | Email: | |

**Work Order Comments**

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

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | M-Maljamar Suction Line -12-S-09212024 | Turn Around | |
| Project Number: | 2556 | ☐ Routine ☑ Rush | |
| Project Location | Lea County, New Mexico | Due Date: | |
| Sampler's Name: | IR | 24 hrs | |
| 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: | -6.6 |
| Total Containers: | | Corrected Temperature: | -6.5 |

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Pres. Code | Parameters: BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 300 |
|---|---|---|---|---|---|---|---|---|---|---|
| H-1 (0-0.5') | 10/18/2024 | | X | | G | 1 | | X | X | X |
| H-2 (0-0.5') | 10/18/2024 | | X | | G | 1 | | X | X | X |
| H-3 (0-0.5') | 10/18/2024 | | X | | G | 1 | | X | X | X |
| H-4 (0-0.5') | 10/18/2024 | | X | | G | 1 | | X | X | X |
| H-5 (0-0.5') | 10/18/2024 | | 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 |
|---|---|---|---|
| | | | 10/23/24 1430 |
| | | | |
| | | | |

# Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-50149-1
SDG Number: Lea County, New Mexico

**Login Number: 50149**
**List Number: 1**
**Creator: Rodriguez, Leticia**

**List Source: Eurofins Midland**

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

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 11/4/2024 11:54:34 AM

## JOB DESCRIPTION

M-Maljamar Suction Line-12-S-09212021
Lea County, New Mexico

## JOB NUMBER

880-50594-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.





my EOL

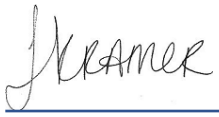
# Eurofins Midland

## 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
11/4/2024 11:54:34 AM

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

# Table of Contents

# Definitions/Glossary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
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 |
|---|---|
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### HPLC/IC

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

## Glossary

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

# Case Narrative

Client: Carmona Resources Job ID: 880-50594-1
Project: M-Maljamar Suction Line-12-S-09212021

## Job ID: 880-50594-1 Eurofins Midland

**Job Narrative**
**880-50594-1**

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

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

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

**Receipt**
The samples were received on 11/1/2024 3:53 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 2.2°C.

**Receipt Exceptions**
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1.5') (880-50594-1), CS-2 (1.5') (880-50594-2), CS-3 (1.5') (880-50594-3), CS-4 (5.5') (880-50594-4), CS-5 (5.5') (880-50594-5), CS-6 (5.5') (880-50594-6), CS-7 (5.5') (880-50594-7), CS-8 (5.5') (880-50594-8), SW-1 (1.5') (880-50594-9), SW-2 (1.5') (880-50594-10), SW-3 (1.5') (880-50594-11), SW-4 (1.5') (880-50594-12), SW-5 (4') (880-50594-13), SW-6 (5.5') (880-50594-14), SW-7 (5.5') (880-50594-15), SW-8 (5.5') (880-50594-16), SW-9 (5.5') (880-50594-17), SW-10 (5.5') (880-50594-18), SW-11 (1.5') (880-50594-19) and SW-12 (1.5') (880-50594-20).

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

**Diesel Range Organics**
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-94654 and analytical batch 880-94553 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: CS-2 (1.5') (880-50594-2) and SW-6 (5.5') (880-50594-14). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The closing continuing calibration verification (CCVC) associated with batch 880-94553 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

**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: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-50594-1**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 13:41 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 13:41 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 13:41 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 13:41 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 13:41 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 13:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *81* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 13:41* | *1* |
| *1,4-Difluorobenzene (Surr)* | *88* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 13:41* | *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 | | | 11/02/24 13:41 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 11/02/24 00:13 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 49.8 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 00:13 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 00:13 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 00:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *106* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 00:13* | *1* |
| *o-Terphenyl* | *82* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 00:13* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **27.8** | | 10.1 | | mg/Kg | | | 11/02/24 03:44 | 1 |

## Client Sample ID: CS-2 (1.5')

**Lab Sample ID: 880-50594-2**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 14:01 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:01 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:01 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:01 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:01 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:01 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *83* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 14:01* | *1* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 14:01* | *1* |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: CS-2 (1.5')

**Lab Sample ID: 880-50594-2**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | | 11/02/24 14:01 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.5 | U | 50.5 | | mg/Kg | | | 11/02/24 01:02 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.5 | U | 50.5 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 01:02 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.5 | U | 50.5 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 01:02 | 1 |
| Oil Range Organics (Over C28-C36) | <50.5 | U | 50.5 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 01:02 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *203* | *S1+* | *70 - 130* | *11/01/24 17:08* | *11/02/24 01:02* | *1* |
| *o-Terphenyl* | *161* | *S1+* | *70 - 130* | *11/01/24 17:08* | *11/02/24 01:02* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **31.2** | | 10.0 | | mg/Kg | | | 11/02/24 03:59 | 1 |

## Client Sample ID: CS-3 (1.5')

**Lab Sample ID: 880-50594-3**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 14:22 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:22 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:22 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:22 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:22 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 14:22* | *1* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 14:22* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 11/02/24 14:22 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.7 | U | 49.7 | | mg/Kg | | | 11/02/24 01:20 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7 | U | 49.7 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 01:20 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.7 | U | 49.7 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 01:20 | 1 |

Eurofins Midland

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: CS-3 (1.5')

**Lab Sample ID: 880-50594-3**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Oil Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 01:20 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *113* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 01:20* | *1* |
| *o-Terphenyl* | *93* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 01:20* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **33.2** | | 10.1 | | mg/Kg | | | 11/02/24 04:04 | 1 |

## Client Sample ID: CS-4 (5.5')

**Lab Sample ID: 880-50594-4**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 14:42 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:42 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:42 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:42 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:42 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 14:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 14:42* | *1* |
| *1,4-Difluorobenzene (Surr)* | *89* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 14:42* | *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 | | | 11/02/24 14:42 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 11/02/24 01:36 | 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 | | 11/01/24 17:08 | 11/02/24 01:36 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 01:36 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 01:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *109* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 01:36* | *1* |
| *o-Terphenyl* | *86* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 01:36* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **26.7** | | 10.1 | | mg/Kg | | | 11/02/24 04:09 | 1 |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: CS-5 (5.5')

**Lab Sample ID: 880-50594-5**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 15:03 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:03 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:03 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:03 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:03 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 15:03* | *1* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 15:03* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 11/02/24 15:03 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 11/02/24 01:54 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 01:54 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 01:54 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 01:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *106* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 01:54* | *1* |
| *o-Terphenyl* | *84* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 01:54* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **30.2** | | 9.90 | | mg/Kg | | | 11/02/24 04:15 | 1 |

## Client Sample ID: CS-6 (5.5')

**Lab Sample ID: 880-50594-6**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 15:24 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:24 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:24 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:24 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:24 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:24 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 15:24* | *1* |
| *1,4-Difluorobenzene (Surr)* | *89* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 15:24* | *1* |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: CS-6 (5.5')

**Lab Sample ID: 880-50594-6**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | | 11/02/24 15:24 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.6 | U | 49.6 | | mg/Kg | | | 11/02/24 02:10 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.6 | U | 49.6 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 02:10 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.6 | U | 49.6 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 02:10 | 1 |
| Oil Range Organics (Over C28-C36) | <49.6 | U | 49.6 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 02:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *103* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 02:10* | *1* |
| *o-Terphenyl* | *80* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 02:10* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **25.7** | | 9.90 | | mg/Kg | | | 11/02/24 04:30 | 1 |

## Client Sample ID: CS-7 (5.5')

**Lab Sample ID: 880-50594-7**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 15:44 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:44 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:44 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:44 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:44 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 15:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 15:44* | *1* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 15:44* | *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 | | | 11/02/24 15:44 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.1 | U | 50.1 | | mg/Kg | | | 11/02/24 02:26 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1 | U | 50.1 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 02:26 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U | 50.1 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 02:26 | 1 |

Eurofins Midland

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: CS-7 (5.5')

**Lab Sample ID: 880-50594-7**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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) | <50.1 | U | 50.1 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 02:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *109* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 02:26* | *1* |
| *o-Terphenyl* | *84* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 02:26* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **24.5** | | 9.92 | | mg/Kg | | | 11/02/24 04:35 | 1 |

## Client Sample ID: CS-8 (5.5')

**Lab Sample ID: 880-50594-8**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 16:05 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:05 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:05 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:05 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:05 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 16:05* | *1* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 16:05* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 11/02/24 16:05 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.1 | U | 50.1 | | mg/Kg | | | 11/02/24 02:42 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1 | U | 50.1 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 02:42 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U | 50.1 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 02:42 | 1 |
| Oil Range Organics (Over C28-C36) | <50.1 | U | 50.1 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 02:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *104* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 02:42* | *1* |
| *o-Terphenyl* | *80* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 02:42* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **23.0** | | 10.0 | | mg/Kg | | | 11/02/24 04:40 | 1 |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-50594-9**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 16:25 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:25 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:25 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:25 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:25 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 16:25* | *1* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 16:25* | *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 | | | 11/02/24 16:25 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.4 | U | 50.4 | | mg/Kg | | | 11/02/24 02:59 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.4 | U | 50.4 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 02:59 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.4 | U | 50.4 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 02:59 | 1 |
| Oil Range Organics (Over C28-C36) | <50.4 | U | 50.4 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 02:59 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *104* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 02:59* | *1* |
| *o-Terphenyl* | *81* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 02:59* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **33.7** | | 9.94 | | mg/Kg | | | 11/02/24 04:45 | 1 |

## Client Sample ID: SW-2 (1.5')

**Lab Sample ID: 880-50594-10**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 16:46 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:46 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:46 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:46 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:46 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 16:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 16:46* | *1* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 16:46* | *1* |

Eurofins Midland

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: SW-2 (1.5')

**Lab Sample ID: 880-50594-10**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00400 | U | 0.00400 | | mg/Kg | | | 11/02/24 16:46 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.5 | U | 50.5 | | mg/Kg | | | 11/02/24 03:15 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.5 | U | 50.5 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 03:15 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.5 | U | 50.5 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 03:15 | 1 |
| Oil Range Organics (Over C28-C36) | <50.5 | U | 50.5 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 03:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 03:15* | *1* |
| *o-Terphenyl* | *80* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 03:15* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **21.5** | | 9.96 | | mg/Kg | | | 11/02/24 04:51 | 1 |

## Client Sample ID: SW-3 (1.5')

**Lab Sample ID: 880-50594-11**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 18:10 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:10 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:10 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:10 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:10 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *81* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 18:10* | *1* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 18:10* | *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 | | | 11/02/24 18:10 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.0 | U | 50.0 | | mg/Kg | | | 11/02/24 03:48 | 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 | | 11/01/24 17:08 | 11/02/24 03:48 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 03:48 | 1 |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: SW-3 (1.5')

**Lab Sample ID: 880-50594-11**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:08 | 11/02/24 03:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *108* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 03:48* | *1* |
| *o-Terphenyl* | *85* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 03:48* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **27.7** | | 10.0 | | mg/Kg | | | 11/02/24 04:56 | 1 |

## Client Sample ID: SW-4 (1.5')

**Lab Sample ID: 880-50594-12**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 18:31 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:31 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:31 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:31 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:31 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 18:31* | *1* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 18:31* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00400 | U | 0.00400 | | mg/Kg | | | 11/02/24 18:31 | 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 | | | 11/02/24 04:04 | 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 | | 11/01/24 17:08 | 11/02/24 04:04 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 04:04 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 04:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *106* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 04:04* | *1* |
| *o-Terphenyl* | *87* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 04:04* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **25.7** | | 10.1 | | mg/Kg | | | 11/02/24 05:11 | 1 |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: SW-5 (4')

**Lab Sample ID: 880-50594-13**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 18:51 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:51 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:51 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:51 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:51 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 18:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 18:51* | *1* |
| *1,4-Difluorobenzene (Surr)* | *87* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 18:51* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 11/02/24 18:51 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 11/02/24 04:20 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 04:20 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 04:20 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 04:20 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *113* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 04:20* | *1* |
| *o-Terphenyl* | *90* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 04:20* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.0 | U | 10.0 | | mg/Kg | | | 11/02/24 05:16 | 1 |

## Client Sample ID: SW-6 (5.5')

**Lab Sample ID: 880-50594-14**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 19:12 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:12 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:12 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:12 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:12 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 19:12* | *1* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 19:12* | *1* |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: SW-6 (5.5')

**Lab Sample ID: 880-50594-14**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | | 11/02/24 19:12 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.7 | U | 49.7 | | mg/Kg | | | 11/02/24 04:36 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7 | U | 49.7 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 04:36 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.7 | U | 49.7 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 04:36 | 1 |
| Oil Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 04:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *214* | *S1+* | *70 - 130* | *11/01/24 17:08* | *11/02/24 04:36* | *1* |
| *o-Terphenyl* | *171* | *S1+* | *70 - 130* | *11/01/24 17:08* | *11/02/24 04:36* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **40.5** | | 9.96 | | mg/Kg | | | 11/02/24 05:32 | 1 |

## Client Sample ID: SW-7 (5.5')

**Lab Sample ID: 880-50594-15**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 19:32 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:32 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:32 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:32 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:32 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 19:32* | *1* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 19:32* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00400 | U | 0.00400 | | mg/Kg | | | 11/02/24 19:32 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.3 | U | 50.3 | | mg/Kg | | | 11/02/24 04:52 | 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 | <50.3 | U | 50.3 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 04:52 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.3 | U | 50.3 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 04:52 | 1 |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: SW-7 (5.5')

**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

**Lab Sample ID: 880-50594-15**
**Matrix: Solid**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Oil Range Organics (Over C28-C36) | <50.3 | U | 50.3 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 04:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *103* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 04:52* | *1* |
| *o-Terphenyl* | *84* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 04:52* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **28.2** | | 9.96 | | mg/Kg | | | 11/02/24 05:37 | 1 |

## Client Sample ID: SW-8 (5.5')

**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

**Lab Sample ID: 880-50594-16**
**Matrix: Solid**

### 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 | | 11/01/24 17:00 | 11/02/24 19:53 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:53 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:53 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:53 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:53 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 19:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 19:53* | *1* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 19:53* | *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 | | | 11/02/24 19:53 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.1 | U | 50.1 | | mg/Kg | | | 11/02/24 05:09 | 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 | <50.1 | U | 50.1 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 05:09 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U | 50.1 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 05:09 | 1 |
| Oil Range Organics (Over C28-C36) | <50.1 | U | 50.1 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 05:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *107* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 05:09* | *1* |
| *o-Terphenyl* | *85* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 05:09* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **25.9** | | 9.92 | | mg/Kg | | | 11/02/24 05:42 | 1 |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: SW-9 (5.5')

**Lab Sample ID: 880-50594-17**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 20:14 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:14 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:14 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:14 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:14 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 20:14* | *1* |
| *1,4-Difluorobenzene (Surr)* | *87* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 20:14* | *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 | | | 11/02/24 20:14 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.4 | U | 50.4 | | mg/Kg | | | 11/02/24 05:25 | 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 | <50.4 | U | 50.4 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 05:25 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.4 | U | 50.4 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 05:25 | 1 |
| Oil Range Organics (Over C28-C36) | <50.4 | U | 50.4 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 05:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *107* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 05:25* | *1* |
| *o-Terphenyl* | *86* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 05:25* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **36.7** | | 10.1 | | mg/Kg | | | 11/02/24 05:47 | 1 |

## Client Sample ID: SW-10 (5.5')

**Lab Sample ID: 880-50594-18**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 20:34 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:34 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:34 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:34 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:34 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:34 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 20:34* | *1* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 20:34* | *1* |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: SW-10 (5.5')

**Lab Sample ID: 880-50594-18**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | | 11/02/24 20:34 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.5 | U | 50.5 | | mg/Kg | | | 11/02/24 05:41 | 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 | <50.5 | U | 50.5 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 05:41 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.5 | U | 50.5 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 05:41 | 1 |
| Oil Range Organics (Over C28-C36) | <50.5 | U | 50.5 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 05:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *108* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 05:41* | *1* |
| *o-Terphenyl* | *87* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 05:41* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **36.6** | | 9.94 | | mg/Kg | | | 11/02/24 05:52 | 1 |

## Client Sample ID: SW-11 (1.5')

**Lab Sample ID: 880-50594-19**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 20:55 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:55 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:55 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:55 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:55 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 20:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 20:55* | *1* |
| *1,4-Difluorobenzene (Surr)* | *88* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 20:55* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00400 | U | 0.00400 | | mg/Kg | | | 11/02/24 20:55 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 11/02/24 05:58 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9 | U | 49.9 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 05:58 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 05:58 | 1 |

# Client Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: SW-11 (1.5')

**Lab Sample ID: 880-50594-19**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 05:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 05:58* | *1* |
| *o-Terphenyl* | *82* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 05:58* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **21.4** | | 9.96 | | mg/Kg | | | 11/02/24 05:57 | 1 |

## Client Sample ID: SW-12 (1.5')

**Lab Sample ID: 880-50594-20**
**Matrix: Solid**
**Date Collected: 11/01/24 00:00**
**Date Received: 11/01/24 15:53**

### 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 | | 11/01/24 17:00 | 11/02/24 21:15 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 21:15 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 21:15 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 21:15 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 21:15 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 21:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 21:15* | *1* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 21:15* | *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 | | | 11/02/24 21:15 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.7 | U | 49.7 | | mg/Kg | | | 11/02/24 06:14 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7 | U | 49.7 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 06:14 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.7 | U | 49.7 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 06:14 | 1 |
| Oil Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 11/01/24 17:08 | 11/02/24 06:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *108* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 06:14* | *1* |
| *o-Terphenyl* | *86* | | *70 - 130* | *11/01/24 17:08* | *11/02/24 06:14* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **10.4** | | 9.90 | | mg/Kg | | | 11/02/24 06:03 | 1 |

# Surrogate Summary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
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) |
| 880-50594-1 | CS-1 (1.5') | 81 | 88 |
| 880-50594-1 MS | CS-1 (1.5') | 102 | 100 |
| 880-50594-1 MSD | CS-1 (1.5') | 98 | 89 |
| 880-50594-2 | CS-2 (1.5') | 83 | 90 |
| 880-50594-3 | CS-3 (1.5') | 98 | 94 |
| 880-50594-4 | CS-4 (5.5') | 101 | 89 |
| 880-50594-5 | CS-5 (5.5') | 100 | 92 |
| 880-50594-6 | CS-6 (5.5') | 93 | 89 |
| 880-50594-7 | CS-7 (5.5') | 97 | 92 |
| 880-50594-8 | CS-8 (5.5') | 96 | 91 |
| 880-50594-9 | SW-1 (1.5') | 96 | 91 |
| 880-50594-10 | SW-2 (1.5') | 97 | 91 |
| 880-50594-11 | SW-3 (1.5') | 81 | 93 |
| 880-50594-12 | SW-4 (1.5') | 96 | 93 |
| 880-50594-13 | SW-5 (4') | 93 | 87 |
| 880-50594-14 | SW-6 (5.5') | 92 | 91 |
| 880-50594-15 | SW-7 (5.5') | 97 | 91 |
| 880-50594-16 | SW-8 (5.5') | 100 | 90 |
| 880-50594-17 | SW-9 (5.5') | 96 | 87 |
| 880-50594-18 | SW-10 (5.5') | 101 | 91 |
| 880-50594-19 | SW-11 (1.5') | 95 | 88 |
| 880-50594-20 | SW-12 (1.5') | 95 | 92 |
| LCS 880-94649/1-A | Lab Control Sample | 119 | 86 |
| LCSD 880-94649/2-A | Lab Control Sample Dup | 114 | 103 |
| MB 880-94649/5-A | Method Blank | 88 | 87 |

**Surrogate Legend**

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

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

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

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | 1CO1 | OTPH1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 880-50594-1 | CS-1 (1.5') | 106 | 82 |
| 880-50594-1 MS | CS-1 (1.5') | 96 | 85 |
| 880-50594-1 MSD | CS-1 (1.5') | 96 | 85 |
| 880-50594-2 | CS-2 (1.5') | 203 S1+ | 161 S1+ |
| 880-50594-3 | CS-3 (1.5') | 113 | 93 |
| 880-50594-4 | CS-4 (5.5') | 109 | 86 |
| 880-50594-5 | CS-5 (5.5') | 106 | 84 |
| 880-50594-6 | CS-6 (5.5') | 103 | 80 |
| 880-50594-7 | CS-7 (5.5') | 109 | 84 |
| 880-50594-8 | CS-8 (5.5') | 104 | 80 |
| 880-50594-9 | SW-1 (1.5') | 104 | 81 |
| 880-50594-10 | SW-2 (1.5') | 105 | 80 |
| 880-50594-11 | SW-3 (1.5') | 108 | 85 |
| 880-50594-12 | SW-4 (1.5') | 106 | 87 |

# Surrogate Summary

Client: Carmona Resources Job ID: 880-50594-1
Project/Site: M-Maljamar Suction Line-12-S-09212021 SDG: Lea County, New Mexico

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

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

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1CO1 | OTPH1 | | | | | | | | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | | | | | | | | |
| 880-50594-13 | SW-5 (4') | 113 | 90 | | | | | | | | |
| 880-50594-14 | SW-6 (5.5') | 214 S1+ | 171 S1+ | | | | | | | | |
| 880-50594-15 | SW-7 (5.5') | 103 | 84 | | | | | | | | |
| 880-50594-16 | SW-8 (5.5') | 107 | 85 | | | | | | | | |
| 880-50594-17 | SW-9 (5.5') | 107 | 86 | | | | | | | | |
| 880-50594-18 | SW-10 (5.5') | 108 | 87 | | | | | | | | |
| 880-50594-19 | SW-11 (1.5') | 105 | 82 | | | | | | | | |
| 880-50594-20 | SW-12 (1.5') | 108 | 86 | | | | | | | | |
| LCS 880-94654/2-A | Lab Control Sample | 123 | 107 | | | | | | | | |
| LCSD 880-94654/3-A | Lab Control Sample Dup | 125 | 108 | | | | | | | | |
| MB 880-94654/1-A | Method Blank | 147 S1+ | 118 | | | | | | | | |

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

# QC Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: MB 880-94649/5-A**
**Matrix: Solid**
**Analysis Batch: 94688**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 94649**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 13:19 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 13:19 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 13:19 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 13:19 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 13:19 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 11/01/24 17:00 | 11/02/24 13:19 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *88* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 13:19* | *1* |
| *1,4-Difluorobenzene (Surr)* | *87* | | *70 - 130* | *11/01/24 17:00* | *11/02/24 13:19* | *1* |

**Lab Sample ID: LCS 880-94649/1-A**
**Matrix: Solid**
**Analysis Batch: 94688**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 94649**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09516 | | mg/Kg | | 95 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.1094 | | mg/Kg | | 109 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.1185 | | mg/Kg | | 119 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2413 | | mg/Kg | | 121 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.1196 | | mg/Kg | | 120 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *119* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *86* | | *70 - 130* |

**Lab Sample ID: LCSD 880-94649/2-A**
**Matrix: Solid**
**Analysis Batch: 94688**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 94649**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.08978 | | mg/Kg | | 90 | 70 - 130 | 6 | 35 |
| Toluene | | | 0.100 | 0.09928 | | mg/Kg | | 99 | 70 - 130 | 10 | 35 |
| Ethylbenzene | | | 0.100 | 0.1077 | | mg/Kg | | 108 | 70 - 130 | 10 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.2166 | | mg/Kg | | 108 | 70 - 130 | 11 | 35 |
| o-Xylene | | | 0.100 | 0.1070 | | mg/Kg | | 107 | 70 - 130 | 11 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* |

**Lab Sample ID: 880-50594-1 MS**
**Matrix: Solid**
**Analysis Batch: 94688**

**Client Sample ID: CS-1 (1.5')**
**Prep Type: Total/NA**
**Prep Batch: 94649**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.08665 | | mg/Kg | | 87 | 70 - 130 | | |
| Toluene | <0.00200 | U | 0.100 | 0.08655 | | mg/Kg | | 87 | 70 - 130 | | |

# QC Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: 880-50594-1 MS**
**Matrix: Solid**
**Analysis Batch: 94688**

**Client Sample ID: CS-1 (1.5')**
**Prep Type: Total/NA**
**Prep Batch: 94649**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | <0.00200 | U | 0.100 | 0.08469 | | mg/Kg | | 85 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.200 | 0.1722 | | mg/Kg | | 86 | 70 - 130 |
| o-Xylene | <0.00200 | U | 0.100 | 0.08569 | | mg/Kg | | 86 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* |

**Lab Sample ID: 880-50594-1 MSD**
**Matrix: Solid**
**Analysis Batch: 94688**

**Client Sample ID: CS-1 (1.5')**
**Prep Type: Total/NA**
**Prep Batch: 94649**

| 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 | 0.07586 | | mg/Kg | | 76 | 70 - 130 | 13 | 35 |
| Toluene | <0.00200 | U | 0.100 | 0.08712 | | mg/Kg | | 87 | 70 - 130 | 1 | 35 |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.08546 | | mg/Kg | | 85 | 70 - 130 | 1 | 35 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.200 | 0.1710 | | mg/Kg | | 86 | 70 - 130 | 1 | 35 |
| o-Xylene | <0.00200 | U | 0.100 | 0.08544 | | mg/Kg | | 85 | 70 - 130 | 0 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *89* | | *70 - 130* |

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

**Lab Sample ID: MB 880-94654/1-A**
**Matrix: Solid**
**Analysis Batch: 94553**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 94654**

| 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 | | 11/01/24 17:08 | 11/01/24 23:22 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 11/01/24 17:08 | 11/01/24 23:22 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 11/01/24 17:08 | 11/01/24 23:22 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *147* | *S1+* | *70 - 130* | *11/01/24 17:08* | *11/01/24 23:22* | *1* |
| *o-Terphenyl* | *118* | | *70 - 130* | *11/01/24 17:08* | *11/01/24 23:22* | *1* |

**Lab Sample ID: LCS 880-94654/2-A**
**Matrix: Solid**
**Analysis Batch: 94553**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 94654**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1125 | | mg/Kg | | 113 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 840.0 | | mg/Kg | | 84 | 70 - 130 |

# QC Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

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

**Lab Sample ID: LCS 880-94654/2-A**
**Matrix: Solid**
**Analysis Batch: 94553**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 94654**

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 123 | | 70 - 130 |
| o-Terphenyl | 107 | | 70 - 130 |

**Lab Sample ID: LCSD 880-94654/3-A**
**Matrix: Solid**
**Analysis Batch: 94553**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 94654**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 1133 | | mg/Kg | | 113 | 70 - 130 | 1 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 871.8 | | mg/Kg | | 87 | 70 - 130 | 4 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 125 | | 70 - 130 |
| o-Terphenyl | 108 | | 70 - 130 |

**Lab Sample ID: 880-50594-1 MS**
**Matrix: Solid**
**Analysis Batch: 94553**

**Client Sample ID: CS-1 (1.5')**
**Prep Type: Total/NA**
**Prep Batch: 94654**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 1010 | 970.0 | | mg/Kg | | 96 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 1010 | 868.4 | | mg/Kg | | 86 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 96 | | 70 - 130 |
| o-Terphenyl | 85 | | 70 - 130 |

**Lab Sample ID: 880-50594-1 MSD**
**Matrix: Solid**
**Analysis Batch: 94553**

**Client Sample ID: CS-1 (1.5')**
**Prep Type: Total/NA**
**Prep Batch: 94654**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8 | U | 1010 | 969.2 | | mg/Kg | | 96 | 70 - 130 | 0 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 1010 | 843.0 | | mg/Kg | | 84 | 70 - 130 | 3 | 20 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 96 | | 70 - 130 |
| o-Terphenyl | 85 | | 70 - 130 |

# QC Sample Results

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-94647/1-A**
**Matrix: Solid**
**Analysis Batch: 94650**

**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 | | | 11/02/24 03:28 | 1 |

**Lab Sample ID: LCS 880-94647/2-A**
**Matrix: Solid**
**Analysis Batch: 94650**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 233.1 | | mg/Kg | | 93 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-94647/3-A**
**Matrix: Solid**
**Analysis Batch: 94650**

**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 | 255.1 | | mg/Kg | | 102 | 90 - 110 | 9 | 20 |

**Lab Sample ID: 880-50594-1 MS**
**Matrix: Solid**
**Analysis Batch: 94650**

**Client Sample ID: CS-1 (1.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 27.8 | | 252 | 268.1 | | mg/Kg | | 95 | 90 - 110 | | |

**Lab Sample ID: 880-50594-1 MSD**
**Matrix: Solid**
**Analysis Batch: 94650**

**Client Sample ID: CS-1 (1.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 27.8 | | 252 | 287.8 | | mg/Kg | | 103 | 90 - 110 | 7 | 20 |

**Lab Sample ID: 880-50594-11 MS**
**Matrix: Solid**
**Analysis Batch: 94650**

**Client Sample ID: SW-3 (1.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 27.7 | | 250 | 264.4 | | mg/Kg | | 95 | 90 - 110 | | |

**Lab Sample ID: 880-50594-11 MSD**
**Matrix: Solid**
**Analysis Batch: 94650**

**Client Sample ID: SW-3 (1.5')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 27.7 | | 250 | 283.4 | | mg/Kg | | 102 | 90 - 110 | 7 | 20 |

# QC Association Summary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## GC VOA

### Prep Batch: 94649

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50594-1 | CS-1 (1.5') | Total/NA | Solid | 5035 | |
| 880-50594-2 | CS-2 (1.5') | Total/NA | Solid | 5035 | |
| 880-50594-3 | CS-3 (1.5') | Total/NA | Solid | 5035 | |
| 880-50594-4 | CS-4 (5.5') | Total/NA | Solid | 5035 | |
| 880-50594-5 | CS-5 (5.5') | Total/NA | Solid | 5035 | |
| 880-50594-6 | CS-6 (5.5') | Total/NA | Solid | 5035 | |
| 880-50594-7 | CS-7 (5.5') | Total/NA | Solid | 5035 | |
| 880-50594-8 | CS-8 (5.5') | Total/NA | Solid | 5035 | |
| 880-50594-9 | SW-1 (1.5') | Total/NA | Solid | 5035 | |
| 880-50594-10 | SW-2 (1.5') | Total/NA | Solid | 5035 | |
| 880-50594-11 | SW-3 (1.5') | Total/NA | Solid | 5035 | |
| 880-50594-12 | SW-4 (1.5') | Total/NA | Solid | 5035 | |
| 880-50594-13 | SW-5 (4') | Total/NA | Solid | 5035 | |
| 880-50594-14 | SW-6 (5.5') | Total/NA | Solid | 5035 | |
| 880-50594-15 | SW-7 (5.5') | Total/NA | Solid | 5035 | |
| 880-50594-16 | SW-8 (5.5') | Total/NA | Solid | 5035 | |
| 880-50594-17 | SW-9 (5.5') | Total/NA | Solid | 5035 | |
| 880-50594-18 | SW-10 (5.5') | Total/NA | Solid | 5035 | |
| 880-50594-19 | SW-11 (1.5') | Total/NA | Solid | 5035 | |
| 880-50594-20 | SW-12 (1.5') | Total/NA | Solid | 5035 | |
| MB 880-94649/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-94649/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-94649/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-50594-1 MS | CS-1 (1.5') | Total/NA | Solid | 5035 | |
| 880-50594-1 MSD | CS-1 (1.5') | Total/NA | Solid | 5035 | |

### Analysis Batch: 94688

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50594-1 | CS-1 (1.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-2 | CS-2 (1.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-3 | CS-3 (1.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-4 | CS-4 (5.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-5 | CS-5 (5.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-6 | CS-6 (5.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-7 | CS-7 (5.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-8 | CS-8 (5.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-9 | SW-1 (1.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-10 | SW-2 (1.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-11 | SW-3 (1.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-12 | SW-4 (1.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-13 | SW-5 (4') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-14 | SW-6 (5.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-15 | SW-7 (5.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-16 | SW-8 (5.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-17 | SW-9 (5.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-18 | SW-10 (5.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-19 | SW-11 (1.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-20 | SW-12 (1.5') | Total/NA | Solid | 8021B | 94649 |
| MB 880-94649/5-A | Method Blank | Total/NA | Solid | 8021B | 94649 |
| LCS 880-94649/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 94649 |
| LCSD 880-94649/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 94649 |

# QC Association Summary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## GC VOA (Continued)

### Analysis Batch: 94688 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50594-1 MS | CS-1 (1.5') | Total/NA | Solid | 8021B | 94649 |
| 880-50594-1 MSD | CS-1 (1.5') | Total/NA | Solid | 8021B | 94649 |

### Analysis Batch: 94795

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50594-1 | CS-1 (1.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-2 | CS-2 (1.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-3 | CS-3 (1.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-4 | CS-4 (5.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-5 | CS-5 (5.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-6 | CS-6 (5.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-7 | CS-7 (5.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-8 | CS-8 (5.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-9 | SW-1 (1.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-10 | SW-2 (1.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-11 | SW-3 (1.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-12 | SW-4 (1.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-13 | SW-5 (4') | Total/NA | Solid | Total BTEX | |
| 880-50594-14 | SW-6 (5.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-15 | SW-7 (5.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-16 | SW-8 (5.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-17 | SW-9 (5.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-18 | SW-10 (5.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-19 | SW-11 (1.5') | Total/NA | Solid | Total BTEX | |
| 880-50594-20 | SW-12 (1.5') | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Analysis Batch: 94553

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50594-1 | CS-1 (1.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-2 | CS-2 (1.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-3 | CS-3 (1.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-4 | CS-4 (5.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-5 | CS-5 (5.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-6 | CS-6 (5.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-7 | CS-7 (5.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-8 | CS-8 (5.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-9 | SW-1 (1.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-10 | SW-2 (1.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-11 | SW-3 (1.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-12 | SW-4 (1.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-13 | SW-5 (4') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-14 | SW-6 (5.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-15 | SW-7 (5.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-16 | SW-8 (5.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-17 | SW-9 (5.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-18 | SW-10 (5.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-19 | SW-11 (1.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-20 | SW-12 (1.5') | Total/NA | Solid | 8015B NM | 94654 |
| MB 880-94654/1-A | Method Blank | Total/NA | Solid | 8015B NM | 94654 |

# QC Association Summary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## GC Semi VOA (Continued)

### Analysis Batch: 94553 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 880-94654/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 94654 |
| LCSD 880-94654/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-1 MS | CS-1 (1.5') | Total/NA | Solid | 8015B NM | 94654 |
| 880-50594-1 MSD | CS-1 (1.5') | Total/NA | Solid | 8015B NM | 94654 |

### Prep Batch: 94654

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50594-1 | CS-1 (1.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-2 | CS-2 (1.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-3 | CS-3 (1.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-4 | CS-4 (5.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-5 | CS-5 (5.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-6 | CS-6 (5.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-7 | CS-7 (5.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-8 | CS-8 (5.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-9 | SW-1 (1.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-10 | SW-2 (1.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-11 | SW-3 (1.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-12 | SW-4 (1.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-13 | SW-5 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-14 | SW-6 (5.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-15 | SW-7 (5.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-16 | SW-8 (5.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-17 | SW-9 (5.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-18 | SW-10 (5.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-19 | SW-11 (1.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-20 | SW-12 (1.5') | Total/NA | Solid | 8015NM Prep | |
| MB 880-94654/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-94654/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-94654/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-50594-1 MS | CS-1 (1.5') | Total/NA | Solid | 8015NM Prep | |
| 880-50594-1 MSD | CS-1 (1.5') | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 94771

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50594-1 | CS-1 (1.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-2 | CS-2 (1.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-3 | CS-3 (1.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-4 | CS-4 (5.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-5 | CS-5 (5.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-6 | CS-6 (5.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-7 | CS-7 (5.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-8 | CS-8 (5.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-9 | SW-1 (1.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-10 | SW-2 (1.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-11 | SW-3 (1.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-12 | SW-4 (1.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-13 | SW-5 (4') | Total/NA | Solid | 8015 NM | |
| 880-50594-14 | SW-6 (5.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-15 | SW-7 (5.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-16 | SW-8 (5.5') | Total/NA | Solid | 8015 NM | |

# QC Association Summary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## GC Semi VOA (Continued)

### Analysis Batch: 94771 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50594-17 | SW-9 (5.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-18 | SW-10 (5.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-19 | SW-11 (1.5') | Total/NA | Solid | 8015 NM | |
| 880-50594-20 | SW-12 (1.5') | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 94647

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50594-1 | CS-1 (1.5') | Soluble | Solid | DI Leach | |
| 880-50594-2 | CS-2 (1.5') | Soluble | Solid | DI Leach | |
| 880-50594-3 | CS-3 (1.5') | Soluble | Solid | DI Leach | |
| 880-50594-4 | CS-4 (5.5') | Soluble | Solid | DI Leach | |
| 880-50594-5 | CS-5 (5.5') | Soluble | Solid | DI Leach | |
| 880-50594-6 | CS-6 (5.5') | Soluble | Solid | DI Leach | |
| 880-50594-7 | CS-7 (5.5') | Soluble | Solid | DI Leach | |
| 880-50594-8 | CS-8 (5.5') | Soluble | Solid | DI Leach | |
| 880-50594-9 | SW-1 (1.5') | Soluble | Solid | DI Leach | |
| 880-50594-10 | SW-2 (1.5') | Soluble | Solid | DI Leach | |
| 880-50594-11 | SW-3 (1.5') | Soluble | Solid | DI Leach | |
| 880-50594-12 | SW-4 (1.5') | Soluble | Solid | DI Leach | |
| 880-50594-13 | SW-5 (4') | Soluble | Solid | DI Leach | |
| 880-50594-14 | SW-6 (5.5') | Soluble | Solid | DI Leach | |
| 880-50594-15 | SW-7 (5.5') | Soluble | Solid | DI Leach | |
| 880-50594-16 | SW-8 (5.5') | Soluble | Solid | DI Leach | |
| 880-50594-17 | SW-9 (5.5') | Soluble | Solid | DI Leach | |
| 880-50594-18 | SW-10 (5.5') | Soluble | Solid | DI Leach | |
| 880-50594-19 | SW-11 (1.5') | Soluble | Solid | DI Leach | |
| 880-50594-20 | SW-12 (1.5') | Soluble | Solid | DI Leach | |
| MB 880-94647/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-94647/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-94647/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-50594-1 MS | CS-1 (1.5') | Soluble | Solid | DI Leach | |
| 880-50594-1 MSD | CS-1 (1.5') | Soluble | Solid | DI Leach | |
| 880-50594-11 MS | SW-3 (1.5') | Soluble | Solid | DI Leach | |
| 880-50594-11 MSD | SW-3 (1.5') | Soluble | Solid | DI Leach | |

### Analysis Batch: 94650

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50594-1 | CS-1 (1.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-2 | CS-2 (1.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-3 | CS-3 (1.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-4 | CS-4 (5.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-5 | CS-5 (5.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-6 | CS-6 (5.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-7 | CS-7 (5.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-8 | CS-8 (5.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-9 | SW-1 (1.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-10 | SW-2 (1.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-11 | SW-3 (1.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-12 | SW-4 (1.5') | Soluble | Solid | 300.0 | 94647 |

# QC Association Summary

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## HPLC/IC (Continued)

### Analysis Batch: 94650 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-50594-13 | SW-5 (4') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-14 | SW-6 (5.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-15 | SW-7 (5.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-16 | SW-8 (5.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-17 | SW-9 (5.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-18 | SW-10 (5.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-19 | SW-11 (1.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-20 | SW-12 (1.5') | Soluble | Solid | 300.0 | 94647 |
| MB 880-94647/1-A | Method Blank | Soluble | Solid | 300.0 | 94647 |
| LCS 880-94647/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 94647 |
| LCSD 880-94647/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 94647 |
| 880-50594-1 MS | CS-1 (1.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-1 MSD | CS-1 (1.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-11 MS | SW-3 (1.5') | Soluble | Solid | 300.0 | 94647 |
| 880-50594-11 MSD | SW-3 (1.5') | Soluble | Solid | 300.0 | 94647 |

# Lab Chronicle

Client: Carmona Resources
Job ID: 880-50594-1
Project/Site: M-Maljamar Suction Line-12-S-09212021
SDG: Lea County, New Mexico

## Client Sample ID: CS-1 (1.5')
**Lab Sample ID: 880-50594-1**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 13:41 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 13:41 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 00:13 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 00:13 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 03:44 | CH | EET MID |

## Client Sample ID: CS-2 (1.5')
**Lab Sample ID: 880-50594-2**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 14:01 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 14:01 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 01:02 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.90 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 01:02 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 03:59 | CH | EET MID |

## Client Sample ID: CS-3 (1.5')
**Lab Sample ID: 880-50594-3**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 14:22 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 14:22 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 01:20 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.06 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 01:20 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 04:04 | CH | EET MID |

## Client Sample ID: CS-4 (5.5')
**Lab Sample ID: 880-50594-4**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 14:42 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 14:42 | SM | EET MID |

# Lab Chronicle

Client: Carmona Resources
Job ID: 880-50594-1
Project/Site: M-Maljamar Suction Line-12-S-09212021
SDG: Lea County, New Mexico

## Client Sample ID: CS-4 (5.5')
**Lab Sample ID: 880-50594-4**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | | | 94771 | 11/02/24 01:36 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 01:36 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 04:09 | CH | EET MID |

## Client Sample ID: CS-5 (5.5')
**Lab Sample ID: 880-50594-5**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 15:03 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 15:03 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 01:54 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 01:54 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 04:15 | CH | EET MID |

## Client Sample ID: CS-6 (5.5')
**Lab Sample ID: 880-50594-6**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 15:24 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 15:24 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 02:10 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.08 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 02:10 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 04:30 | CH | EET MID |

## Client Sample ID: CS-7 (5.5')
**Lab Sample ID: 880-50594-7**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 15:44 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 15:44 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 02:26 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.99 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 02:26 | TKC | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: CS-7 (5.5')

**Lab Sample ID: 880-50594-7**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 04:35 | CH | EET MID |

## Client Sample ID: CS-8 (5.5')

**Lab Sample ID: 880-50594-8**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 16:05 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 16:05 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 02:42 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.98 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 02:42 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 04:40 | CH | EET MID |

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

**Lab Sample ID: 880-50594-9**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 16:25 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 16:25 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 02:59 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.92 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 02:59 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 04:45 | CH | EET MID |

## Client Sample ID: SW-2 (1.5')

**Lab Sample ID: 880-50594-10**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.00 g | 5 mL | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 16:46 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 16:46 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 03:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.90 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 03:15 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 04:51 | CH | EET MID |

# Lab Chronicle

Client: Carmona Resources
Job ID: 880-50594-1
Project/Site: M-Maljamar Suction Line-12-S-09212021
SDG: Lea County, New Mexico

## Client Sample ID: SW-3 (1.5')
**Lab Sample ID: 880-50594-11**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 18:10 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 18:10 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 03:48 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 03:48 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.00 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 04:56 | CH | EET MID |

## Client Sample ID: SW-4 (1.5')
**Lab Sample ID: 880-50594-12**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.00 g | 5 mL | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 18:31 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 18:31 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 04:04 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 04:04 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 05:11 | CH | EET MID |

## Client Sample ID: SW-5 (4')
**Lab Sample ID: 880-50594-13**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 18:51 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 18:51 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 04:20 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 04:20 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 05:16 | CH | EET MID |

## Client Sample ID: SW-6 (5.5')
**Lab Sample ID: 880-50594-14**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 19:12 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 19:12 | SM | EET MID |

# Lab Chronicle

Client: Carmona Resources
Job ID: 880-50594-1
Project/Site: M-Maljamar Suction Line-12-S-09212021
SDG: Lea County, New Mexico

## Client Sample ID: SW-6 (5.5')
**Lab Sample ID: 880-50594-14**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | | | 94771 | 11/02/24 04:36 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.06 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 04:36 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 05:32 | CH | EET MID |

## Client Sample ID: SW-7 (5.5')
**Lab Sample ID: 880-50594-15**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.00 g | 5 mL | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 19:32 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 19:32 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 04:52 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.94 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 04:52 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 05:37 | CH | EET MID |

## Client Sample ID: SW-8 (5.5')
**Lab Sample ID: 880-50594-16**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 19:53 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 19:53 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 05:09 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.98 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 05:09 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 05:42 | CH | EET MID |

## Client Sample ID: SW-9 (5.5')
**Lab Sample ID: 880-50594-17**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 20:14 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 20:14 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 05:25 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.92 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 05:25 | TKC | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

## Client Sample ID: SW-9 (5.5')

**Lab Sample ID: 880-50594-17**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 05:47 | CH | EET MID |

## Client Sample ID: SW-10 (5.5')

**Lab Sample ID: 880-50594-18**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 20:34 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 20:34 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 05:41 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.90 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 05:41 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 05:52 | CH | EET MID |

## Client Sample ID: SW-11 (1.5')

**Lab Sample ID: 880-50594-19**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 5.00 g | 5 mL | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 20:55 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 20:55 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 05:58 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 05:58 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 05:57 | CH | EET MID |

## Client Sample ID: SW-12 (1.5')

**Lab Sample ID: 880-50594-20**
**Date Collected: 11/01/24 00:00**
**Matrix: Solid**
**Date Received: 11/01/24 15:53**

| 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 | 94649 | 11/01/24 17:00 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 94688 | 11/02/24 21:15 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 94795 | 11/02/24 21:15 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 94771 | 11/02/24 06:14 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.06 g | 10 mL | 94654 | 11/01/24 17:08 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 94553 | 11/02/24 06:14 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 94647 | 11/01/24 16:16 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 94650 | 11/02/24 06:03 | CH | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Carmona Resources
Project/Site: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

**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: 880-50594-1
Project/Site: M-Maljamar Suction Line-12-S-09212021
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 | 06-30-25 |

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

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

# Method Summary

Client: Carmona Resources
Job ID: 880-50594-1
Project/Site: M-Maljamar Suction Line-12-S-09212021
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: M-Maljamar Suction Line-12-S-09212021

Job ID: 880-50594-1
SDG: Lea County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 880-50594-1 | CS-1 (1.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-2 | CS-2 (1.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-3 | CS-3 (1.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-4 | CS-4 (5.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-5 | CS-5 (5.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-6 | CS-6 (5.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-7 | CS-7 (5.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-8 | CS-8 (5.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-9 | SW-1 (1.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-10 | SW-2 (1.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-11 | SW-3 (1.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-12 | SW-4 (1.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-13 | SW-5 (4') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-14 | SW-6 (5.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-15 | SW-7 (5.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-16 | SW-8 (5.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-17 | SW-9 (5.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-18 | SW-10 (5.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-19 | SW-11 (1.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |
| 880-50594-20 | SW-12 (1.5') | Solid | 11/01/24 00:00 | 11/01/24 15:53 |

# Chain of Custody

880-50594 Chain of Custody

11/4/2024



| | | | |
|---|---|---|---|
| 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: | | |

**Work Order Comments**

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

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | M-Maljamar Suction Line -12-S-09212021 | Turn Around | |
| Project Number: | 2556 | ☐ Routine | ☒ Rush |
| Project Location | Lea County, New Mexico | Due Date: | 24 hrs |
| Sampler's Name: | GPJ | | |
| 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: | -.10 |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | 2.3 |
| Total Containers: | | Corrected Temperature: | 2.2 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|
| CS-1 (1.5') | 11/1/2024 | | X | | Comp | 1 | X | X | X | |
| CS-2 (1.5') | 11/1/2024 | | X | | Comp | 1 | X | X | X | |
| CS-3 (1.5') | 11/1/2024 | | X | | Comp | 1 | X | X | X | |
| CS-4 (5.5') | 11/1/2024 | | X | | Comp | 1 | X | X | X | |
| CS-5 (5.5') | 11/1/2024 | | X | | Comp | 1 | X | X | X | |
| CS-6 (5.5') | 11/1/2024 | | X | | Comp | 1 | X | X | X | |
| CS-7 (5.5') | 11/1/2024 | | X | | Comp | 1 | X | X | X | |
| CS-8 (5.5') | 11/1/2024 | | X | | Comp | 1 | X | X | X | |
| SW-1 (1.5') | 11/1/2024 | | X | | Comp | 1 | X | X | X | |
| SW-2 (1.5') | 11/1/2024 | | X | | Comp | 1 | X | X | X | |

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

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|---|---|---|---|
| | 11/1/24 1553 | | |

# Chain of Custody

**Work Order No:** 505944

11/4/2024

Page 2 of 2

| | | | |
|---|---|---|---|
| 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: | |

**Work Order Comments**

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

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | M-Maljamar Suction Line -12-S-09212021 | Turn Around | |
| Project Number: | 2556 | ☐ Routine | ☒ Rush |
| Project Location | Lea County, New Mexico | Due Date: | 24 Hrs |
| Sampler's Name: | GPJ | | |
| 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 | Pres. Code | Parameters | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 300.0 | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-3 (1.5') | 11/1/2024 | | X | | Comp | 1 | | | X | X | X | |
| SW-4 (1.5') | 11/1/2024 | | X | | Comp | 1 | | | X | X | X | |
| SW-5 (4') | 11/1/2024 | | X | | Comp | 1 | | | X | X | X | |
| SW-6 (5.5') | 11/1/2024 | | X | | Comp | 1 | | | X | X | X | |
| SW-7 (5.5') | 11/1/2024 | | X | | Comp | 1 | | | X | X | X | |
| SW-8 (5.5') | 11/1/2024 | | X | | Comp | 1 | | | X | X | X | |
| SW-9 (5.5') | 11/1/2024 | | X | | Comp | 1 | | | X | X | X | |
| SW-10 (5.5') | 11/1/2024 | | X | | Comp | 1 | | | X | X | X | |
| SW-11 (1.5') | 11/1/2024 | | X | | Comp | 1 | | | X | X | X | |
| SW-12 (1.5') | 11/1/2024 | | X | | Comp | 1 | | | X | X | X | |

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

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|---|---|---|---|
| | 11/1/24 1553 | | |
| | | | |
| | | | |

# Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-50594-1
SDG Number: Lea County, New Mexico

**Login Number: 50594**
**List Number: 1**
**Creator: Rodriguez, Leticia**

**List Source: Eurofins Midland**

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

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 407467

## QUESTIONS

| | |
|---|---|
| Operator:<br>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>407467 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| **Prerequisites** | |
|---|---|
| Incident ID (n#) | **nAPP2426848904** |
| Incident Name | **NAPP2426848904 M-MALJAMAR SUCTION LINE - 12"-09212024 @ 0** |
| Incident Type | **Natural Gas Release** |
| Incident Status | **Remediation Closure Report Received** |
| Incident Facility | **[fAPP2123229442] Frontier Field Services Gathering System** |

| **Location of Release Source** | |
|---|---|
| *Please answer all the questions in this group.* | |
| Site Name | M-Maljamar Suction Line - 12"-09212024 |
| Date Release Discovered | 09/21/2024 |
| Surface Owner | Private |

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

| **Nature and Volume of Release** | |
|---|---|
| *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.* | |
| Crude Oil Released (bbls) Details | *Not answered.* |
| Produced Water Released (bbls) Details | *Not answered.* |
| Is the concentration of chloride in the produced water >10,000 mg/l | No |
| Condensate Released (bbls) Details | Cause: High Line Pressure \| Pipeline (Any) \| Condensate \| Released: 8 BBL \| Recovered: 6 BBL \| Lost: 2 BBL. |
| Natural Gas Vented (Mcf) Details | Cause: High Line Pressure \| Pipeline (Any) \| Natural Gas Vented \| Released: 143 MCF \| Recovered: 0 MCF \| Lost: 143 MCF. |
| Natural Gas Flared (Mcf) Details | *Not answered.* |
| Other Released Details | *Not answered.* |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | *Not answered.* |

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

General Information
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>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>407467 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| **Nature and Volume of Release (continued)** | |
|---|---|
| Is this a gas only submission (i.e. only significant Mcf values reported) | **No, according to supplied volumes this does not appear to be a "gas only" report.** |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | **No** |
| Reasons why this would be considered a submission for a notification of a major release | *Unavailable.* |
| *With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.* | |

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

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

| | |
|---|---|
| I hereby agree and sign off to the above statement | Name: Sebastian Orozco<br>Title: Sr. Environmental Specialist<br>Email: sorozco@kinetik.com<br>Date: 09/24/2024 |

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>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>407467 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| **Site Characterization** | |
|---|---|
| *Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.* | |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 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 | Greater than 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 | Greater than 5 (mi.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | Low |
| A 100-year floodplain | 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) | 177 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 117 |
| GRO+DRO (EPA SW-846 Method 8015M) | 117 |
| 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 | 11/01/2024 |
| On what date will (or did) the final sampling or liner inspection occur | 11/01/2024 |
| On what date will (or was) the remediation complete(d) | 11/01/2024 |
| What is the estimated surface area (in square feet) that will be reclaimed | 3500 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 130 |
| What is the estimated surface area (in square feet) that will be remediated | 3500 |
| What is the estimated volume (in cubic yards) that will be remediated | 130 |
| *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.* | |

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>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>407467 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| | |
|---|---|
| **Remediation Plan (continued)** | |
| *Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.* | |
| **This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:** | |
| *(Select all answers below that apply.)* | |
| (Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.) | Yes |
| Which OCD approved facility will be used for **off-site** disposal | LEA LAND LANDFILL [fEEM0112342028] |
| **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: Sebastian Orozco<br>Title: Sr. Environmental Specialist<br>Email: sorozco@kinetik.com<br>Date: 12/02/2024 |
| *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.* | |

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>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>407467 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**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 |

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>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>407467 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| **Sampling Event Information** | |
|---|---|
| Last sampling notification (C-141N) recorded | **397409** |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | **11/01/2024** |
| What was the (estimated) number of samples that were to be gathered | **20** |
| What was the sampling surface area in square feet | **1623** |

| **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 | 3500 |
| What was the total volume (cubic yards) remediated | 130 |
| 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 | 3500 |
| What was the total volume (in cubic yards) reclaimed | 130 |
| Summarize any additional remediation activities not included by answers (above) | N/A |

*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: Sebastian Orozco<br>Title: Sr. Environmental Specialist<br>Email: sorozco@kinetik.com<br>Date: 12/02/2024 |

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>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>407467 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**QUESTIONS**

| **Reclamation Report** | |
|---|---|
| *Only answer the questions in this group if all reclamation steps have been completed.* | |
| Requesting a reclamation approval with this submission | No |

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 407467

## CONDITIONS

| | |
|---|---|
| Operator:<br>FRONTIER FIELD SERVICES, LLC<br>303 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>221115 |
| | Action Number:<br>407467 |
| | Action Type:<br>[C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| bhall | Remediation closure report approved. | 12/26/2024 |
| bhall | A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. | 12/26/2024 |
| bhall | The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the 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; and a revegetation plan. | 12/26/2024 |
| bhall | A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. | 12/26/2024 |
| bhall | All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. | 12/26/2024 |