CARMONA RESOURCES

# SITE INFORMATION

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**Work Plan**
**Patrick API Battery**
**Incident # NAPP2223551130**
**Eddy County, New Mexico**
**Unit D Sec 10 T19S R25E**
**32.680894°, -104.479331°**

**Crude Oil Release**
**Point of Release: Tank Bottom**
**Release Date: 08.22.22**
**Volume Released: 88 barrels of Crude Oil**
**Volume Recovered: 3 barrels of Crude Oil**

CARMONA RESOURCES

**Prepared for:**
**Silverback Operating II, LLC**
**19707 West IH 10, Suite 201**
**San Antonio, Texas 78257**

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

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

CARMONA RESOURCES

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310 West Wall Street, Suite 500
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CARMONA RESOURCES

February 2, 2023

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

**Re: Work Plan**
**Patrick API Battery**
**Silverback Operating II, LLC**
**Incident # NAPP2223551130**
**Site Location: Unit D, S10, T19S, R25E**
**(Lat 32.680894°, Long -104.479331°)**
**Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Silverback Operating II, LLC (Silverback Exploration), Carmona Resources, LLC has prepared this letter to document site activities for the Patrick API Battery. The site is located at 32.680894°, -104.479331º within Unit D, S10, T19S, R25E, in Eddy County, New Mexico (Figures 1 and 2).

## 1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 22, 2022, after a down stem line inside the oil tank broke and damaged a sump line that resulted in leak at the bottom of the tank. It resulted in the release of eighty-eight (88) barrels of crude oil, and three (3) barrels were recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

## 2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, two known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.23 miles Northwest of the site in S10, T19S, R25E and was drilled in 1994. The well has a reported depth to groundwater of 194.24' below ground surface (ft bgs). The second identified well is located approximately 0.24 miles West of the site in S10, T19S, R25E and was drilled in 1967. The well has a reported depth to groundwater of 260' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

On December 7, 2020, Scarborough Drilling, Inc was onsite to drill a groundwater determination bore to 55' below ground surface and within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below the surface. The coordinates for the groundwater determination bore are 32.681064°, -104.478910°. See Appendix D for the log.

## 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.

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

**4.0 Site Assessment Activities**

Initial Assessment

On September 16, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points and four (4) horizontal samples were advanced to depths ranging from the surface to 4' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the borehole 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 Envirotech in Farmington, New Mexico. 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. Refer to Table 1.

Trenching

On October 17, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) trenches were advanced to depths ranging from the surface to 10' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the borehole 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 Envirotech in Farmington, New Mexico. 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. Refer to Table 1.

Drilling

On December 7, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) boreholes were advanced to depths ranging from the surface to 15' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the borehole 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 Envirotech in Farmington, New Mexico. 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. Refer to Table 1.

**5.0 Proposed Work Plan**

Based on the analytical data and the detected chloride and TPH concentrations, Silverback Operating proposes to remediate the areas shown in Figure 4 and highlighted (blue) in Table 1.

- The area of S-1/BH-1 will be excavated to a depth of 3.5' below the surface and backfilled with clean material to grade.

- The areas of S-2/T-1/BH-2 will be excavated to a depth of 16 - 20' below the surface and backfilled with clean material to grade.

CARMONA RESOURCES

- The area of S-3/T-2/BH-3 will be excavated to a depth of 14 - 15' below the surface and backfilled with clean material to grade.
- An estimated 1,096 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth. However, it is subject to change if vertical delineation is achieved sooner.
- A variance is requested per 19.15.29.14. A NMAC, Five-point composite bottom floor hole, and sidewall samples will be collected every 400 square feet to represent the release area.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.
- Impacted soil around oil and gas equipment, structures, or lines may not be removed during remediation activities due to safety concerns for the onsite personnel. However, Silverback Operating will excavate the impacted soils to the maximum extent possible.

## 6.0 Conclusions

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-1992.

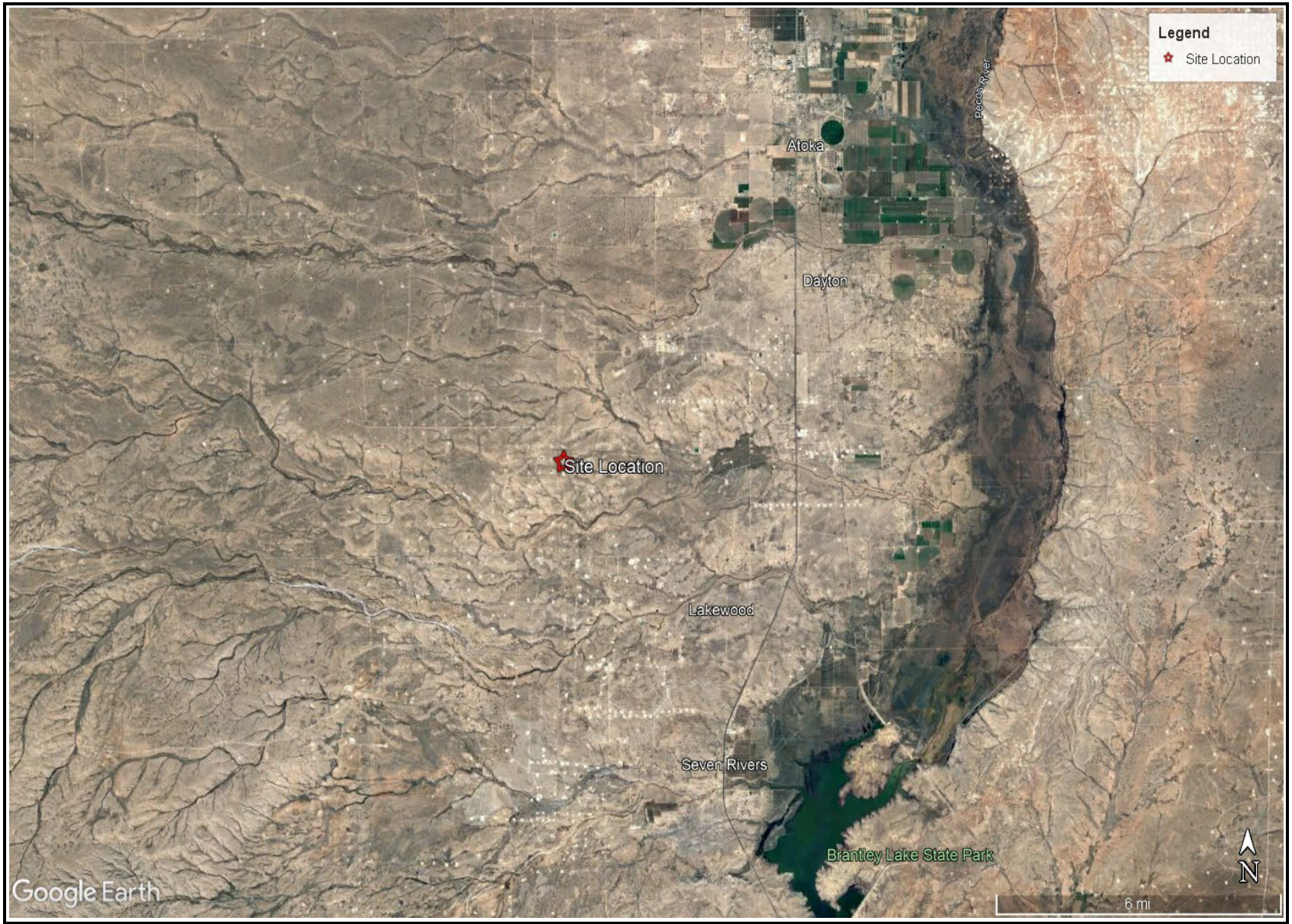
Sincerely,
**Carmona Resources, LLC**

Mike Carmona
Environmental Manager

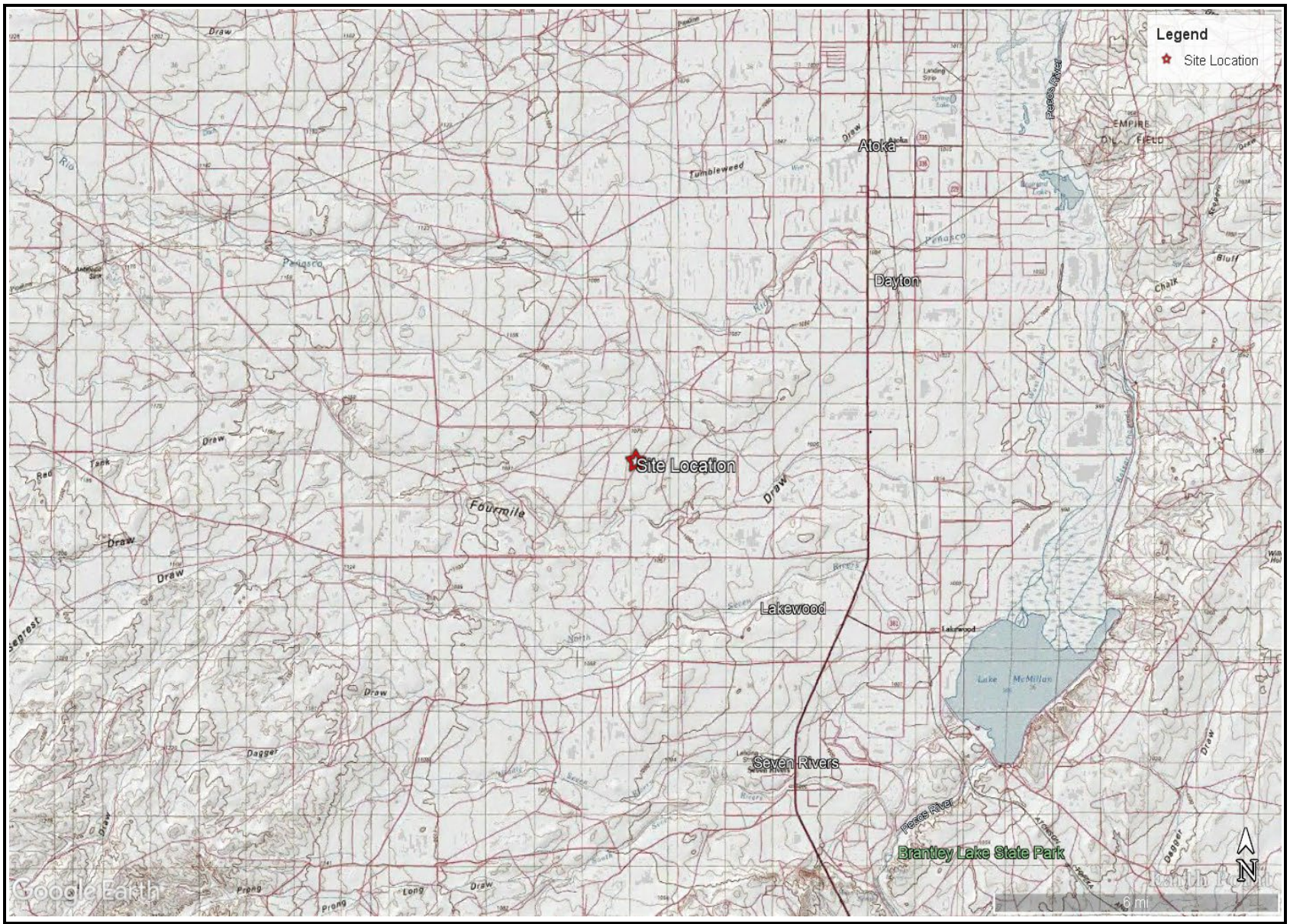
Clinton Merritt
Sr. Project Manager

# FIGURES

CARMONA RESOURCES




| | | |
|---|---|---|
| OVERVIEW MAP<br>SILVERBACK OPERATING<br>PATRICK API BATTERY EDDY<br>COUNTY, NEW MEXICO<br>32.680894°, -104.479331° | CARMONA RESOURCES | FIGURE 1 |




| | | |
|---|---|---|
| TOPOGRAPHIC MAP<br>SILVERBACK OPERATING<br>PATRICK API BATTERY EDDY<br>COUNTY, NEW MEXICO<br>32.680894°, -104.479331° | CARMONA RESOURCES | FIGURE 2 |


| | | |
|---|---|---|
| SAMPLE LOCATION MAP<br>SILVERBACK OPERATING<br>PATRICK API BATTERY EDDY<br>COUNTY, NEW MEXICO<br>32.680894°, -104.479331° | CARMONA RESOURCES | FIGURE 3 |


| | | |
|---|---|---|
| PROPOSED EXCAVATION MAP<br>SILVERBACK OPERATING<br>PATRICK API BATTERY EDDY<br>COUNTY, NEW MEXICO<br>32.680894°, -104.479331° | CARMONA RESOURCES | FIGURE 4 |

# APPENDIX A

CARMONA RESOURCES

**Table 1**
**Silverback Exploration**
**Patrick API Battery**
**Eddy County, New Mexico**

| Sample ID | Date | Depth (ft) | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | GRO | DRO | MRO | Total | | | | | | |
| S-1 | 9/16/2022 | 0-1 | ND | **196** | **95.8** | **291.8** | ND | ND | ND | ND | ND | ND |
| | " | 1.5 | ND | 28.0 | ND | 28.0 | ND | ND | ND | ND | ND | ND |
| | " | 2.0 | ND | **182** | **66.8** | **248.8** | ND | ND | ND | ND | ND | ND |
| | " | 2.5 | ND | **68.9** | **72.8** | **141.7** | ND | ND | ND | ND | ND | ND |
| | " | 3.0 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 20.0 |
| | " | 4.0 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 21.4 |
| BH-1 | 12/7/2022 | 0-1 | **115** | **22,700** | **9,690** | **32,505** | 0.568 | 1.78 | 0.991 | 7.03 | 10.369 | ND |
| | " | 2-3 | ND | **408** | **184** | **592** | 0.0425 | 0.240 | 0.181 | 0.120 | 0.5835 | 22.1 |
| | " | 4-5 | ND | 78.7 | ND | 78.7 | 0.0252 | 0.0569 | 0.0874 | 0.0436 | 0.2131 | ND |
| | " | 6-7 | ND | 33.3 | ND | 33.3 | ND | 0.0424 | ND | ND | 0.0424 | 43.8 |
| S-2 | 9/16/2022 | 0-1 | **185** | **6,000** | **1,650** | **7,835** | 0.189 | 1.86 | 2.39 | 5.79 | 10.2 | ND |
| | " | 1.5 | **1,430** | **10,100** | **2,950** | **14,480** | **67.4** | **163** | **76.3** | **30.4** | **337** | ND |
| | " | 2.0 | **1,460** | **11,300** | **3,350** | **16,110** | **89.9** | **184** | **78.9** | **29.8** | **383** | ND |
| | " | 2.5 | **1,480** | **9,820** | **2,850** | **14,150** | **91.9** | **181** | **76.6** | **28.7** | **378** | ND |
| | " | 3.0 | **1,640** | **8,920** | **2,670** | **13,230** | **100** | **198** | **85.1** | **31.8** | **198** | ND |
| | " | 3.5 | **1,680** | **11,300** | **3,170** | **16,150** | **128** | **214** | **82.5** | **30.2** | **455** | ND |
| | " | 4.0 | **2,410** | **12,900** | **3,940** | **19,250** | **139** | **257** | **110** | **39.6** | **546** | ND |
| T-1 | 10/17/2022 | 0-1 | **69.7** | **8,100** | **ND** | **8,169** | **0.335** | **0.470** | **0.527** | **1.66** | **2.99** | ND |
| | " | 1.5 | **205** | **8,440** | **ND** | **8,645** | **1.02** | **ND** | **1.20** | **17.8** | **20.0** | ND |
| | " | 2.0 | **1,330** | **9,950** | **ND** | **11,280** | **35.2** | **76.5** | **150** | **109** | **371** | ND |
| | " | 3.0 | **1,710** | **9,790** | **2,830** | **14,330** | **76.6** | **89.8** | **197** | **120** | **483** | ND |
| | " | 4.0 | **1,210** | **12,800** | **3,490** | **17,500** | **94.6** | **68.7** | **186** | **90.1** | **439** | ND |
| | " | 5.0 | **913** | **4,850** | **ND** | **5,763** | **35.7** | **48.7** | **106** | **73.8** | **264** | ND |
| | " | 6.0 | **952** | **5,890** | **ND** | **6,842** | **34.3** | **57.9** | **114** | **78.4** | **285** | ND |
| | " | 7.0 | **716** | **6,190** | **ND** | **6,906** | **26.5** | **47.8** | **91.1** | **63.3** | **229** | ND |
| | " | 8.0 | **1,010** | **4,410** | **ND** | **5,420** | **39.8** | **61** | **119** | **80.1** | **300** | ND |
| | " | 9.0 | **1,010** | **5,940** | **ND** | **6,950** | **41** | **59.6** | **119** | **79.8** | **299** | ND |
| | " | 10.0 | **749** | **10,800** | **ND** | **11,549** | **23.8** | **50.8** | **98.4** | **67.5** | **241** | ND |
| BH-2 | 12/7/2022 | 0-1 | 87.3 | **24,300** | **10,600** | **34,900** | 0.625 | 1.50 | 0.613 | 6.73 | 9.468 | ND |
| | " | 2-3 | ND | **926** | **581** | **1,507** | 0.0744 | 0.162 | 0.0442 | ND | 0.2806 | 29.0 |
| | " | 4-5 | **1,190** | **16,100** | **4,440** | **21,730** | **78.8** | **174** | **73.2** | **94.5** | **420.5** | ND |
| | " | 6-7 | **1,030** | **8,540** | **2,210** | **11,780** | **47.6** | **117** | **54.7** | **73.1** | **292.4** | ND |
| | " | 8-9 | **650** | **4,640** | **1,260** | **6,550** | **25.0** | **70.4** | **35.2** | **47.5** | **178.1** | ND |
| | " | 10 | **429** | **4,450** | **1,210** | **6,089** | 4.38 | 34.8 | 24.2 | 35.00 | **98.4** | 20.0 |
| | " | 12-13 | **400** | **4,670** | **1,320** | **6,390** | 1.57 | 21.3 | 19.2 | 30.4 | **72.5** | 28.3 |
| | " | 14-15 | 85.0 | **18,100** | **8,260** | **26,445** | 1.21 | 4.13 | 1.91 | 6.71 | 14.0 | ND |
| | " | 20 | ND | 37.0 | ND | 37.0 | ND | 0.0703 | 0.0608 | ND | 0.1311 | 26.0 |
| *Regulatory Criteria* [A] | | | 1,000 mg/kg | | | 2,500 mg/kg | 10 mg/kg | - | - | - | 50 mg/kg | 10,000 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
(T) Trench
(BH) Borehole
(ND) Non Detect
Proposed Excavation

**Table 1**
**Silverback Exploration**
**Patrick API Battery**
**Eddy County, New Mexico**

| Sample ID | Date | Depth (ft) | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | GRO | DRO | MRO | Total | | | | | | |
| S-3 | 9/16/2022 | 0-1 | **339** | **11,900** | **4,560** | **16,799** | 0.508 | 2.45 | 1.84 | 16.9 | 21.7 | ND |
| | " | 1.5 | **601** | **7,980** | **3,420** | **12,001** | 2.60 | 8.39 | 2.20 | 24.6 | 37.8 | ND |
| | " | 2.0 | **1,450** | **8,010** | **3,310** | **12,770** | **104** | **151** | **79.0** | **29.7** | **364** | ND |
| | " | 2.5 | **1,470** | **5,280** | **2,390** | **9,140** | **94.6** | **188** | **81.5** | **30.9** | **395** | ND |
| | " | 3.0 | **1,050** | **8,630** | **3,600** | **13,280** | **81.4** | **143** | **54.2** | **19.6** | **298** | ND |
| | " | 3.5 | **1,140** | **8,050** | **2,030** | **11,220** | **87.6** | **158** | **60.5** | **22.1** | **328** | ND |
| | " | 4.0 | **975** | **6,190** | **1,580** | **8,745** | **92.2** | **144** | **51.1** | **18.6** | **306** | ND |
| T-2 | 10/17/2022 | 0-1 | **141** | **13,600** | **5,080** | **18,821** | **5.45** | **1.66** | **4.34** | **4.63** | **16.1** | ND |
| | " | 1.5 | **267** | **5,890** | **ND** | **6,157** | **5.05** | **4.39** | **11.1** | **16.3** | **36.8** | ND |
| | " | 2.0 | **399** | **5,960** | **ND** | **6,359** | **17.1** | **22.1** | **47.6** | **35.8** | **123** | ND |
| | " | 3.0 | **1,340** | **10,900** | **2,630** | **14,870** | **61.9** | **85.8** | **188** | **109** | **445** | ND |
| | " | 4.0 | **1,180** | **12,400** | **3,090** | **16,670** | **68.1** | **83.1** | **193** | **104** | **448** | ND |
| | " | 5.0 | **1,420** | **16,500** | **4,610** | **22,530** | **111** | **87.1** | **228** | **107** | **533** | ND |
| | " | 6.0 | **1,330** | **7,440** | **ND** | **8,770** | **62.7** | **86.5** | **188** | **111** | **448** | ND |
| | " | 7.0 | **1,110** | **8,720** | **ND** | **9,830** | **61.7** | **73.4** | **171** | **91.4** | **398** | ND |
| | " | 8.0 | **1,020** | **5,610** | **ND** | **6,630** | **45.5** | **66.5** | **142** | **84.5** | **339** | ND |
| | " | 9.0 | **21.6** | **101** | **ND** | **122** | **0.0575** | **0.53** | **0.254** | **1.13** | **1.97** | ND |
| | " | 10.0 | **ND** | **219** | **65.5** | **285** | **ND** | **0.156** | **0.077** | **0.374** | **0.61** | 55.9 |
| BH-3 | 12/7/2022 | 0-1 | 86.4 | **21,100** | **9,170** | **30,356** | 0.436 | 1.57 | 0.813 | 6.10 | 8.92 | ND |
| | " | 2-3 | **1,390** | **9,840** | **2,740** | **13,970** | **59.1** | **157** | **72.7** | **103** | **391.8** | ND |
| | " | 4-5 | **1,220** | **15,200** | **4,110** | **20,530** | **65.2** | **160** | **72.5** | **95.1** | **393** | ND |
| | " | 6-7 | **869** | **8,220** | **2,180** | **11,269** | **43.4** | **105** | 47.0 | **62.0** | **257** | ND |
| | " | 8-9 | **599** | **5,020** | **1,420** | **7,039** | **18.9** | **60.6** | 31.7 | 42.4 | **154** | ND |
| | " | 10 | **447** | **4,430** | **1,310** | **6,187** | 5.55 | 33.7 | 23.4 | 34.1 | **96.8** | 20.3 |
| | " | 12-13 | **328** | **5,580** | **1,260** | **7,168** | 0.640 | 14.2 | 15.9 | 25.2 | **55.9** | 28.2 |
| | " | 14-15 | ND | 42.3 | ND | 42.3 | ND | 0.176 | 0.255 | 0.449 | 0.880 | ND |
| | " | 20 | ND | 26.9 | ND | 26.9 | ND | ND | ND | ND | ND | 25.3 |
| ***Regulatory Criteria*** [A] | | | **1,000 mg/kg** | | | **2,500 mg/kg** | **10 mg/kg** | - | - | - | **50 mg/kg** | **10,000 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
(T) Trench
(BH) Borehole
(ND) Non Detect
Proposed Excavation

**Table 1**
**Silverback Exploration**
**Patrick API Battery**
**Eddy County, New Mexico**

| Sample ID | Date | Depth (ft) | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | GRO | DRO | MRO | Total | | | | | | |
| **H-1** | 9/16/2022 | 0-0.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| **H-2** | 9/16/2022 | 0-0.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 21.4 |
| **H-3** | 9/16/2022 | 0-0.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 23.1 |
| **H-4** | 9/16/2022 | 0-0.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| ***Regulatory Criteria*** [A] | | | 1,000 mg/kg | | | 2,500 mg/kg | 10 mg/kg | - | - | - | 50 mg/kg | 10,000 mg/kg |

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(ND) Non Detect
(H) - Horizontal

# APPENDIX B

CARMONA RESOURCES

# PHOTOGRAPHIC LOG

**Silverback Operating II, LLC**

**Photograph No. 1**

**Facility:** Patrick API Battery

**County:** Eddy County, New Mexico

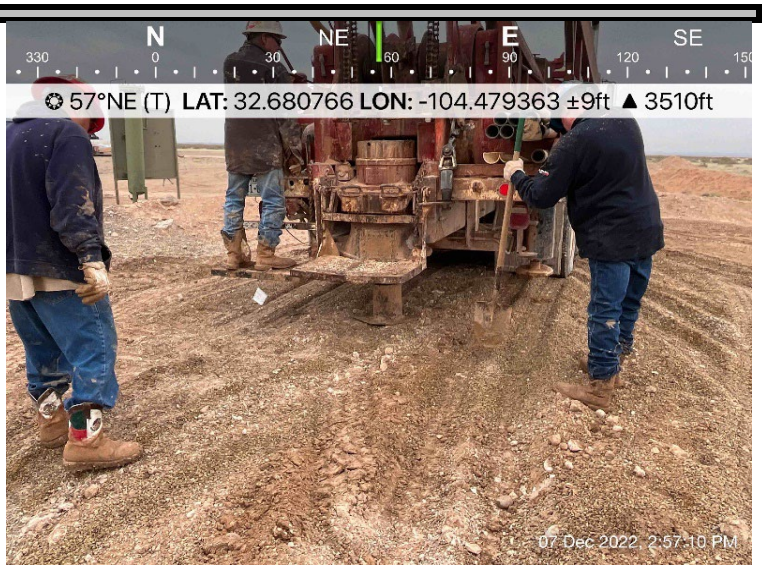
**Description:**
View Southwest of Boreholes (1 - 3).


**Photograph No. 2**

**Facility:** Patrick API Battery

**County:** Eddy County, New Mexico

**Description:**
View Northeast, of Borehole (1).

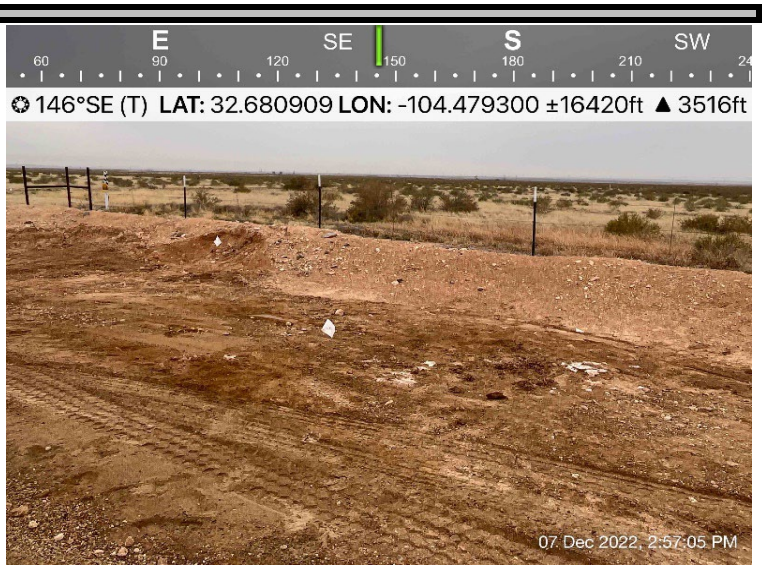



**Photograph No. 3**

**Facility:** Patrick API Battery

**County:** Eddy County, New Mexico

**Description:**
View Southeast, area of Boreholes (1-2).




CARMONA RESOURCES

# APPENDIX C

CARMONA RESOURCES

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

| | |
|---|---|
| Incident ID | nAPP2223551130 |
| District RP | |
| Facility ID | |
| Application ID | |

# Release Notification

## Responsible Party

| | |
|---|---|
| Responsible Party Silverback Operating | OGRID 330968 |
| Contact Name Mark Ritchie | Contact Telephone 210-874-2406 |
| Contact email mritchie@silverbackexp.com | Incident # *(assigned by OCD)* nAPP2223551130 |
| Contact mailing address 108 S. 4th st Artesia, NM 88211 | |

## Location of Release Source

Latitude 32.681069 Longitude -104.479496
*(NAD 83 in decimal degrees to 5 decimal places)*

| | |
|---|---|
| Site Name Patrick API Batt | Site Type Production Facility |
| Date Release Discovered 8/22/2022 | API# *(if applicable)* |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| 0 | 10 | 19S | 25E | Eddy |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ■ Private (*Name:* David Wilson )

## Nature and Volume of Release

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

| | | |
|---|---|---|
| ■ Crude Oil | Volume Released (bbls) 88 | Volume Recovered (bbls) 3 |
| ☐ Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | ☐ Yes ☐ No |
| ☐ Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| ☐ Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| ☐ Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release: Downstem line inside the oil tank broke at the top connection causing it to fall and damage sump line resulting in a large leak in the bottom of the tank.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2223551130 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br>☒ Yes ☐ No | If YES, for what reason(s) does the responsible party consider this a major release?<br>Over 25 bbls |

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Yes, a phone call was placed to Mike Bratcher by Mark Ritchie just before mid day on 8/22/2022.

## 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.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: Mark Ritchie Title: HSE Manager

Signature: Mark Ritchie Date: 9/7/2022

email: mritchie@silverbackexp.com Telephone: 210-874-2406

**OCD Only**

Received by: Jocelyn Harimon Date: 09/07/2022

SILVERBACK EXPLORATION

Volume Justification Sheet – Silverback Form 018

| Volume Justification | |
|---|---|
| This form is to be used to convey justification of spill volumes in the event of a release. Clearly indicate by calculations or description in the space provided below. | |
| **Justification:** 500bbl tank capacity: 2.7778bbl/inch<br>8/21 guage: 6'5" 8/22 guage: 3'9" **32 inch loss**<br>$32inches * 2.7778\ bbl/inch = 88.889bbls$ | |
| **Approved by:** Mark Ritchie | **Date:** 9/7/2022 |

**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>Silverback Operating II, LLC<br>IH10 West, Suite 201<br>San Antonio, TX 78257 | OGRID:<br>330968 |
| | Action Number:<br>141263 |
| | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| jharimon | When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141 | 9/7/2022 |

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

# Site Assessment/Characterization

*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? | _____ (ft bgs) |
| Did this release impact groundwater or surface water? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☐ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ☐ No |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ☐ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ☐ No |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ☐ No |
| Did the release impact areas **not** on an exploration, development, production, or storage site? | ☐ Yes ☐ No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist**: ***Each of the following items must be included in the report.***

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

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

Printed Name: _____ Title: _____

Signature: Mark Ritchie Date: _____

email: _____ Telephone: _____

**OCD Only**

Received by: Shelly Wells Date: 10/31/2023

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

# Remediation Plan

**Remediation Plan Checklist**: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only**: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: Mark Ritchie Date: _____

email: _____ Telephone: _____

**OCD Only**

Received by: Shelly Wells Date: 10/31/2023

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Scott Rodgers Date: 02/28/2024

# APPENDIX D

CARMONA RESOURCES

# Groundwater Determination Bore

Silverback Operating

**Legend**

- 55' - GWDB
- Patrick API Battery

CARMONA RESOURCES

| | | | |
|---|---|---|---|
| **Project Name :** | **Patrick API Battery** | **Date :** | **Wednesday, December 7, 2022** |
| **Project No. :** | **1130** | **Sampler :** | **Lane Scarborough** |
| **Location :** | **Eddy County, New Mexico** | | |
| **Coordinates :** | **32.681064°, -104.478910°** | **Driller :** | **Scarborough Drilling** |
| **Elevation :** | **3,443'** | **Method :** | **Air Rotary** |

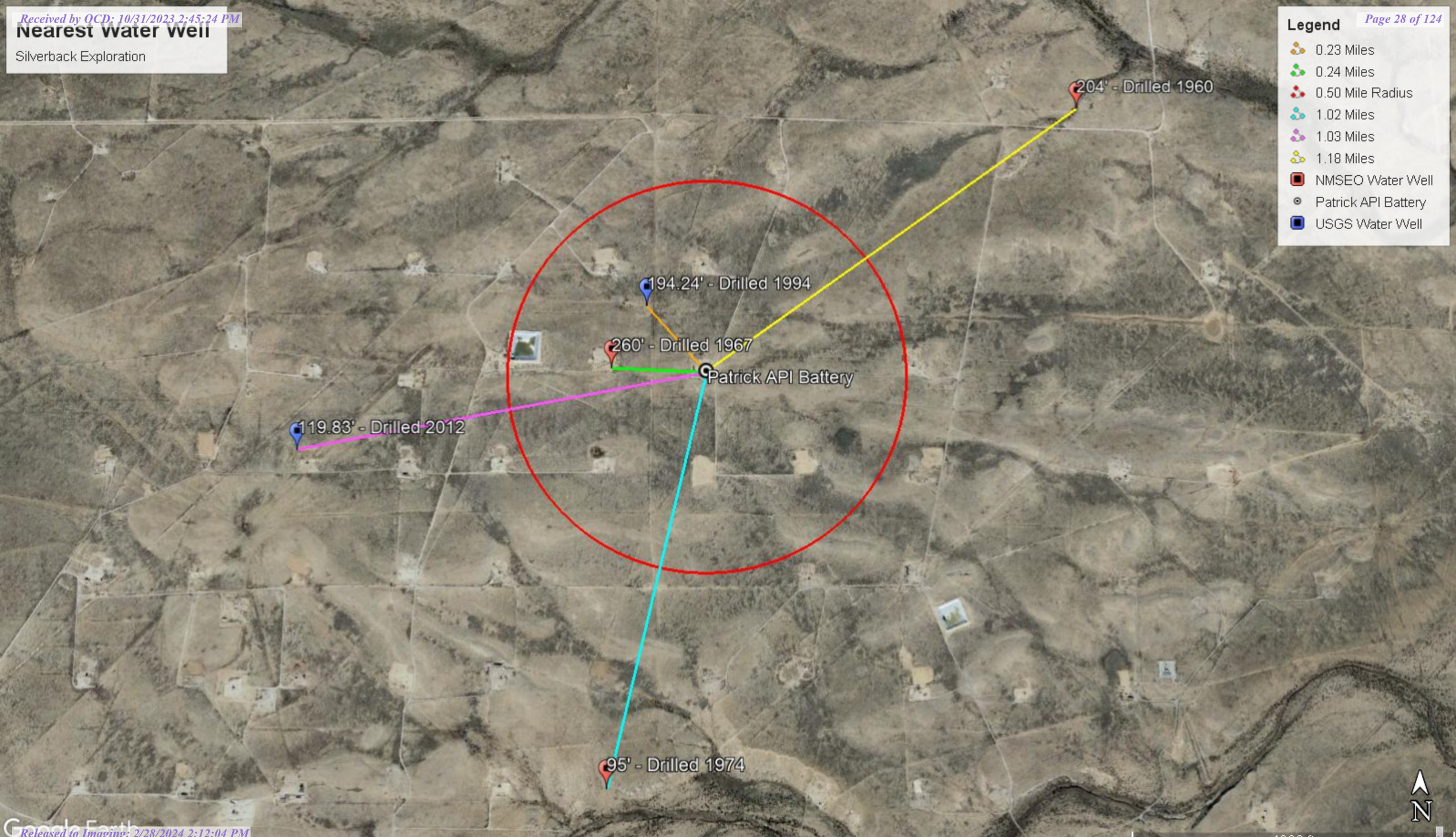
| Depth (ft.) | WL | Soil Description | Lithology |
|---|---|---|---|
| 0 | | (0'-1') - Light grey coarse grained, well graded, angular gravel (GW). | |
| 5 | | (5') - Light grey coarse grained, well graded, angular gravel (GW). | |
| 10 | | (10') - Light grey coarse grained, well graded, angular gravel (GW). | |
| 15 | | (15') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC). | |
| 20 | | (20') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC). | |
| 25 | | (25') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC). | |
| 30 | | (30') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC). | |
| 35 | | (35') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC). | |
| 40 | | (40') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC). | |
| 45 | | (45') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC). | |
| 50 | | | |

| Depth (ft.) | WL | Soil Description | Lithology |
|---|---|---|---|
| 50 | | (50') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC). | |
| 55 | | (55') - Light brown medium stiff clay with >50% coarse grained rounded gravel (GC). | |
| 60 | | | |
| 65 | | | |
| 70 | | | |
| 75 | | | |
| 80 | | | |
| 85 | | | |
| 90 | | | |
| 95 | | | |
| 105 | | | |

*Comments :* *Boring terminated at 55' due to borehole collapsing. No presence of groundwater or moisture was detected.*

# Nearest Water Well

Silverback Exploration



Medium Karst

Silverback Exploration

Legend

Low

Medium

Patrick API Battery

Patrick API Battery

N

1 mi

# New Mexico Office of the State Engineer
# Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

| POD Number | POD Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RA 05333 | RA | ED | | 2 | 2 | 09 | 19S | 25E | 548430 | 3616046* | 383 | 315 | 260 | 55 |
| RA 04208 | RA | ED | | 2 | 4 | 03 | 19S | 25E | 550036 | 3616845* | 1468 | 110 | | |
| RA 05900 | RA | ED | | 2 | 2 | 16 | 19S | 25E | 548442 | 3614424* | 1649 | 185 | 95 | 90 |
| RA 04236 | RA | CH | 3 | 3 | 1 | 02 | 19S | 25E | 550335 | 3617145* | 1885 | 360 | 204 | 156 |
| RA 04722 | RA | ED | | 3 | 1 | 02 | 19S | 25E | 550436 | 3617246* | 2026 | 200 | 42 | 158 |
| RA 05450 | RA | CH | | 4 | 2 | 15 | 19S | 25E | 550057 | 3614015* | 2369 | 204 | 80 | 124 |
| RA 05331 | RA | ED | 1 | 1 | 4 | 05 | 19S | 25E | 546308 | 3616955* | 2670 | 460 | 305 | 155 |
| RA 04128 | RA | ED | | | 2 | 02 | 19S | 25E | 551443 | 3617449* | 2987 | 211 | 100 | 111 |
| RA 07639 | RA | ED | | 3 | 1 | 01 | 19S | 25E | 552049 | 3617250* | 3457 | 260 | 172 | 88 |
| RA 03983 | RA | CH | | 4 | 3 | 01 | 19S | 25E | 552457 | 3616444* | 3666 | 375 | 100 | 275 |
| RA 06418 | RA | ED | 1 | 2 | 3 | 17 | 19S | 25E | 545925 | 3613710* | 3705 | 120 | 72 | 48 |
| RA 13122 POD1 | RA | ED | 1 | 3 | 2 | 21 | 19S | 25E | 547935 | 3612424 | 3712 | | | |
| RA 08146 | RA | ED | 4 | 4 | 3 | 28 | 18S | 25E | 547693 | 3619576* | 3717 | 400 | | |
| RA 13122 POD2 | RA | ED | 3 | 3 | 2 | 21 | 19S | 25E | 547996 | 3612385 | 3736 | 108 | 102 | 6 |
| RA 03975 | RA | ED | 3 | 1 | 3 | 36 | 18S | 25E | 551942 | 3618353* | 3895 | 430 | 270 | 160 |

Average Depth to Water: **150 feet**

Minimum Depth: **42 feet**

Maximum Depth: **305 feet**

**Record Count:** 15

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 548813.34 **Northing (Y):** 3616031.49 **Radius:** 4000

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

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

Click to hideNews Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the Water Data For The Nation Blog for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

## Search Results -- 1 sites found

**Agency code =** usgs
**site_no list =**
- 324100104285501

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

## USGS 324100104285501 19S.25E.04.444341

Eddy County, New Mexico
Latitude 32°41'00", Longitude 104°28'55" NAD27
Land-surface elevation 3,515 feet above NGVD29
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the San Andres Limestone (313SADR) 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 measu |
|---|---|---|---|---|---|---|---|---|---|---|
| 1994-02-10 | | D | 62610 | | 3320.76 | NGVD29 | | S | | |
| 1994-02-10 | | D | 62611 | | 3322.34 | NAVD88 | | S | | |
| 1994-02-10 | | D | 72019 | 194.24 | | | | S | | |

**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 |

| Section | Code | Description |
|---|---|---|
| Referenced vertical datum | NGVD29 | National Geodetic Vertical Datum of 1929 |
| Status | | The reported water-level measurement represents a static level |
| Method of measurement | S | Steel-tape measurement. |
| Measuring agency | | Not determined |
| Source of measurement | | Not determined |
| Water-level approval status | A | Approved for publication -- Processing and review completed. |

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

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
**Title: Groundwater for New Mexico: Water Levels**
**URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?**

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-10-27 10:10:44 EDT
0.27 0.23 nadww02

# *New Mexico Office of the State Engineer*
# Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Twn | Rng | X | Y |
|---|---|---|---|---|---|---|---|---|---|
| | RA 05333 | | 2 | 2 | 09 | 19S | 25E | 548430 | 3616046* |

**Driller License:** 353 **Driller Company:** OSBOURN DRILLING & PUMP CO.

**Driller Name:** EXISTING WELL

**Drill Start Date:** 04/18/1967 **Drill Finish Date:** 05/05/1967 **Plug Date:**

**Log File Date:** 05/12/1967 **PCW Rcv Date:** **Source:** Shallow

**Pump Type:** **Pipe Discharge Size:** **Estimated Yield:**

**Casing Size:** **Depth Well:** 315 feet **Depth Water:** 260 feet

**Water Bearing Stratifications:**

| Top | Bottom | Description |
|---|---|---|
| 275 | 290 | Sandstone/Gravel/Conglomerate |
| 290 | 303 | Sandstone/Gravel/Conglomerate |

**Casing Perforations:**

| Top | Bottom |
|---|---|
| 280 | 312 |

**Meter Number:** 8784 **Meter Make:** MASTER

**Meter Serial Number:** FL001 **Meter Multiplier:** 10.0000

**Number of Dials:** 6 **Meter Type:** Diversion

**Unit of Measure:** Barrels 42 gal. **Return Flow Percent:**

**Usage Multiplier:** **Reading Frequency:**

**Meter Readings (in Acre-Feet)**

| Read Date | Year | Mtr Reading | Flag | Rdr | Comment | Mtr Amount | Online |
|---|---|---|---|---|---|---|---|
| 02/25/2005 | 2005 | 19 | A | RPT | | 0 | |
| 03/10/2005 | 2005 | 4671 | A | RPT | | 1.428 | |
| 10/13/2005 | 2005 | 4822 | A | ch | | 0.046 | |
| 12/19/2005 | 2005 | 43967 | A | jw | | 0 | |
| 01/13/2006 | 2006 | 44260 | A | jw | | 0.378 | |
| 04/10/2006 | 2006 | 44260 | A | ch | | 0 | |

****YTD Meter Amounts:**

| Year | Amount |
|---|---|
| 2005 | 1.474 |
| 2006 | 0.378 |

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

# *New Mexico Office of the State Engineer*
# Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Twn | Rng | X | Y |
|---|---|---|---|---|---|---|---|---|---|
| | RA 05900 | 2 | 2 | | 16 | 19S | 25E | 548442 | 3614424* |

**Driller License:** 460 **Driller Company:** JENKINS BROTHERS DRILLING

**Driller Name:**

| | | | | | |
|---|---|---|---|---|---|
| **Drill Start Date:** | 03/18/1974 | **Drill Finish Date:** | 03/19/1974 | **Plug Date:** | |
| **Log File Date:** | 03/25/1974 | **PCW Rcv Date:** | | **Source:** | Shallow |
| **Pump Type:** | | **Pipe Discharge Size:** | | **Estimated Yield:** | 30 GPM |
| **Casing Size:** | 7.00 | **Depth Well:** | 185 feet | **Depth Water:** | 95 feet |

| Water Bearing Stratifications: | Top | Bottom | Description |
|---|---|---|---|
| | 118 | 122 | Sandstone/Gravel/Conglomerate |

| Casing Perforations: | Top | Bottom |
|---|---|---|
| | 108 | 158 |

***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 | ? |
|---|---|---|---|---|---|---|---|

Groundwater | New Mexico | GO

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- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the Water Data For The Nation Blog for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

## Search Results -- 1 sites found

**Agency code =** usgs
**site_no list =**
- 324041104294801

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

## USGS 324041104294801 19S.25E.08.42222

Eddy County, New Mexico
Latitude 32°40'41", Longitude 104°29'48" NAD27
Land-surface elevation 3,539 feet above NAVD88
The depth of the well is 142 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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 measu |
|---|---|---|---|---|---|---|---|---|---|---|
| 1955-01-04 | | D | 62610 | | 3439.96 | NGVD29 | 1 | Z | | |
| 1955-01-04 | | D | 62611 | | 3441.54 | NAVD88 | 1 | Z | | |
| 1955-01-04 | | D | 72019 | 97.46 | | | 1 | Z | | |
| 1956-01-18 | | D | 62610 | | 3442.37 | NGVD29 | 1 | Z | | |
| 1956-01-18 | | D | 62611 | | 3443.95 | NAVD88 | 1 | Z | | |
| 1956-01-18 | | D | 72019 | 95.05 | | | 1 | Z | | |
| 1957-01-15 | | D | 62610 | | 3438.89 | NGVD29 | 1 | Z | | |
| 1957-01-15 | | D | 62611 | | 3440.47 | NAVD88 | 1 | Z | | |
| 1957-01-15 | | D | 72019 | 98.53 | | | 1 | Z | | |
| 1958-01-30 | | D | 62610 | | 3439.55 | NGVD29 | 1 | Z | | |
| 1958-01-30 | | D | 62611 | | 3441.13 | NAVD88 | 1 | Z | | |
| 1958-01-30 | | D | 72019 | 97.87 | | | 1 | Z | | |

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? |
|---|---|---|---|---|---|---|---|
| 1959-01-26 | D | 62610 | 3443.72 | NGVD29 | 1 | Z | |
| 1959-01-26 | D | 62611 | 3445.30 | NAVD88 | 1 | Z | |
| 1959-01-26 | D | 72019 | 93.70 | | 1 | Z | |
| 1960-01-26 | D | 62610 | 3438.66 | NGVD29 | P | Z | |
| 1960-01-26 | D | 62611 | 3440.24 | NAVD88 | P | Z | |
| 1960-01-26 | D | 72019 | 98.76 | | P | Z | |
| 1961-01-23 | D | 62610 | 3439.22 | NGVD29 | 1 | Z | |
| 1961-01-23 | D | 62611 | 3440.80 | NAVD88 | 1 | Z | |
| 1961-01-23 | D | 72019 | 98.20 | | 1 | Z | |
| 1962-01-29 | D | 62610 | 3437.62 | NGVD29 | 1 | Z | |
| 1962-01-29 | D | 62611 | 3439.20 | NAVD88 | 1 | Z | |
| 1962-01-29 | D | 72019 | 99.80 | | 1 | Z | |
| 1963-01-07 | D | 62610 | 3437.47 | NGVD29 | 1 | Z | |
| 1963-01-07 | D | 62611 | 3439.05 | NAVD88 | 1 | Z | |
| 1963-01-07 | D | 72019 | 99.95 | | 1 | Z | |
| 1963-07-23 | D | 62610 | 3437.76 | NGVD29 | 1 | Z | |
| 1963-07-23 | D | 62611 | 3439.34 | NAVD88 | 1 | Z | |
| 1963-07-23 | D | 72019 | 99.66 | | 1 | Z | |
| 1963-09-04 | D | 62610 | 3439.02 | NGVD29 | 1 | Z | |
| 1963-09-04 | D | 62611 | 3440.60 | NAVD88 | 1 | Z | |
| 1963-09-04 | D | 72019 | 98.40 | | 1 | Z | |
| 1963-10-11 | D | 62610 | 3437.15 | NGVD29 | 1 | Z | |
| 1963-10-11 | D | 62611 | 3438.73 | NAVD88 | 1 | Z | |
| 1963-10-11 | D | 72019 | 100.27 | | 1 | Z | |
| 1963-11-19 | D | 62610 | 3437.27 | NGVD29 | 1 | Z | |
| 1963-11-19 | D | 62611 | 3438.85 | NAVD88 | 1 | Z | |
| 1963-11-19 | D | 72019 | 100.15 | | 1 | Z | |
| 1964-01-10 | D | 62610 | 3437.13 | NGVD29 | 1 | Z | |
| 1964-01-10 | D | 62611 | 3438.71 | NAVD88 | 1 | Z | |
| 1964-01-10 | D | 72019 | 100.29 | | 1 | Z | |
| 1965-01-13 | D | 62610 | 3434.62 | NGVD29 | 1 | Z | |
| 1965-01-13 | D | 62611 | 3436.20 | NAVD88 | 1 | Z | |
| 1965-01-13 | D | 72019 | 102.80 | | 1 | Z | |
| 1966-01-27 | D | 62610 | 3433.83 | NGVD29 | P | Z | |
| 1966-01-27 | D | 62611 | 3435.41 | NAVD88 | P | Z | |
| 1966-01-27 | D | 72019 | 103.59 | | P | Z | |
| 1984-02-06 | D | 62610 | 3433.03 | NGVD29 | 1 | Z | |
| 1984-02-06 | D | 62611 | 3434.61 | NAVD88 | 1 | Z | |
| 1984-02-06 | D | 72019 | 104.39 | | 1 | Z | |
| 1989-02-01 | D | 62610 | 3436.56 | NGVD29 | 1 | Z | |
| 1989-02-01 | D | 62611 | 3438.14 | NAVD88 | 1 | Z | |
| 1989-02-01 | D | 72019 | 100.86 | | 1 | Z | |
| 1990-02-26 | D | 62610 | 3433.39 | NGVD29 | 1 | S | |
| 1990-02-26 | D | 62611 | 3434.97 | NAVD88 | 1 | S | |
| 1990-02-26 | D | 72019 | 104.03 | | 1 | S | |
| 1992-02-05 | D | 62610 | 3430.01 | NGVD29 | 1 | S | |
| 1992-02-05 | D | 62611 | 3431.59 | NAVD88 | 1 | S | |
| 1992-02-05 | D | 72019 | 107.41 | | 1 | S | |
| 1993-02-03 | D | 62610 | 3429.63 | NGVD29 | 1 | S | |
| 1993-02-03 | D | 62611 | 3431.21 | NAVD88 | 1 | S | |

| 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 | |
|---|---|---|---|---|---|---|---|---|
| 1993-02-03 | | D | 72019 | 107.79 | | 1 | S | |
| 1994-02-21 | | D | 62610 | 3428.05 | NGVD29 | 1 | S | |
| 1994-02-21 | | D | 62611 | 3429.63 | NAVD88 | 1 | S | |
| 1994-02-21 | | D | 72019 | 109.37 | | 1 | S | |
| 1999-01-14 | | D | 62610 | 3424.80 | NGVD29 | 1 | S | NM001 |
| 1999-01-14 | | D | 62611 | 3426.38 | NAVD88 | 1 | S | NM001 |
| 1999-01-14 | | D | 72019 | 112.62 | | 1 | S | NM001 |
| 2003-01-25 | | D | 62610 | 3426.14 | NGVD29 | 1 | S | NM001 |
| 2003-01-25 | | D | 62611 | 3427.72 | NAVD88 | 1 | S | NM001 |
| 2003-01-25 | | D | 72019 | 111.28 | | 1 | S | NM001 |
| 2004-02-04 | | D | 62610 | 3423.97 | NGVD29 | 1 | S | NM001 |
| 2004-02-04 | | D | 62611 | 3425.55 | NAVD88 | 1 | S | NM001 |
| 2004-02-04 | | D | 72019 | 113.45 | | 1 | S | NM001 |
| 2005-02-08 | 15:50 UTC | m | 62610 | 3426.42 | NGVD29 | 1 | S | USGS |
| 2005-02-08 | 15:50 UTC | m | 62611 | 3428.00 | NAVD88 | 1 | S | USGS |
| 2005-02-08 | 15:50 UTC | m | 72019 | 111.00 | | 1 | S | USGS |
| 2006-02-08 | 19:45 UTC | m | 62610 | 3425.72 | NGVD29 | 1 | S | USGS |
| 2006-02-08 | 19:45 UTC | m | 62611 | 3427.30 | NAVD88 | 1 | S | USGS |
| 2006-02-08 | 19:45 UTC | m | 72019 | 111.70 | | 1 | S | USGS |
| 2007-02-13 | 18:30 UTC | m | 62610 | 3424.52 | NGVD29 | 1 | S | USGS |
| 2007-02-13 | 18:30 UTC | m | 62611 | 3426.10 | NAVD88 | 1 | S | USGS |
| 2007-02-13 | 18:30 UTC | m | 72019 | 112.90 | | 1 | S | USGS |
| 2008-01-14 | 16:55 UTC | m | 62610 | 3423.04 | NGVD29 | 1 | S | NM001 |
| 2008-01-14 | 16:55 UTC | m | 62611 | 3424.62 | NAVD88 | 1 | S | NM001 |
| 2008-01-14 | 16:55 UTC | m | 72019 | 114.38 | | 1 | S | NM001 |
| 2009-01-06 | 20:30 UTC | m | 62610 | 3421.98 | NGVD29 | 1 | S | NM001 |
| 2009-01-06 | 20:30 UTC | m | 62611 | 3423.56 | NAVD88 | 1 | S | NM001 |
| 2009-01-06 | 20:30 UTC | m | 72019 | 115.44 | | 1 | S | NM001 |
| 2010-01-20 | 21:20 UTC | m | 62610 | 3420.06 | NGVD29 | 1 | S | NM001 |
| 2010-01-20 | 21:20 UTC | m | 62611 | 3421.64 | NAVD88 | 1 | S | NM001 |
| 2010-01-20 | 21:20 UTC | m | 72019 | 117.36 | | 1 | S | NM001 |
| 2012-01-05 | 17:35 UTC | m | 62610 | 3417.59 | NGVD29 | 1 | S | NM001 |
| 2012-01-05 | 17:35 UTC | m | 62611 | 3419.17 | NAVD88 | 1 | S | NM001 |
| 2012-01-05 | 17:35 UTC | m | 72019 | 119.83 | | 1 | S | NM001 |

**Explanation**

| Section | Code | Description |
|---|---|---|
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Water-level date-time accuracy | m | Date is accurate to the Minute |
| Parameter code | 62610 | Groundwater level above NGVD 1929, feet |
| Parameter code | 62611 | Groundwater level above NAVD 1988, feet |
| Parameter code | 72019 | Depth to water level, feet below land surface |
| Referenced vertical datum | NAVD88 | North American Vertical Datum of 1988 |
| Referenced vertical datum | NGVD29 | National Geodetic Vertical Datum of 1929 |
| Status | 1 | Static |
| Status | P | Pumping |
| Method of measurement | S | Steel-tape measurement. |
| Method of measurement | Z | Other. |

| 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 | ? |
|---|---|---|---|---|---|---|---|
| Source of measurement | | | A | Reported by another government agency (do not use "A" if reported by owner, use "O"). | | | |
| Source of measurement | | | S | Measured by personnel of reporting agency. | | | |
| Water-level approval status | | | A | Approved for publication -- Processing and review completed. | | | |

Questions about sites/data?
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Automated retrievals
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Data Tips
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Subscribe for system changes
News



U.S. Department of the Interior | U.S. Geological Survey
**Title: Groundwater for New Mexico: Water Levels**
**URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?**

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-10-27 10:13:12 EDT
0.29 0.23 nadww02

# *New Mexico Office of the State Engineer*
# Point of Diversion Summary

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Twn | Rng | X | Y |
|---|---|---|---|---|---|---|---|---|---|
| | RA 04236 | 3 | 3 | 1 | 02 | 19S | 25E | 550335 | 3617145* |

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)
(NAD83 UTM in meters)

**Driller License:** 111 **Driller Company:** BURKE, EDWARD B.

**Driller Name:**

**Drill Start Date:** 05/27/1960 **Drill Finish Date:** 05/31/1960 **Plug Date:**

**Log File Date:** 06/03/1960 **PCW Rcv Date:** **Source:** Shallow

**Pump Type:** **Pipe Discharge Size:** **Estimated Yield:**

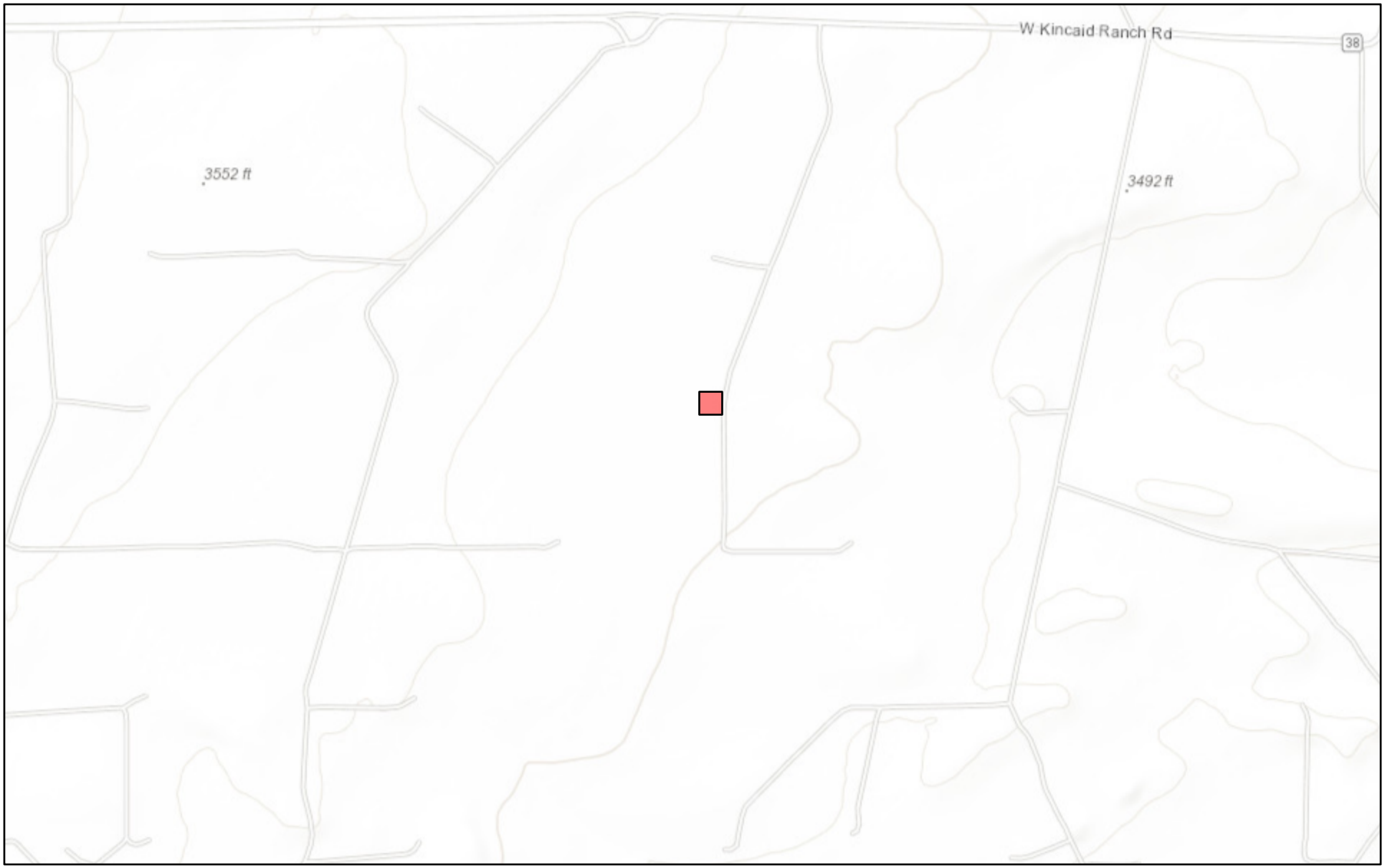
**Casing Size:** 7.00 **Depth Well:** 360 feet **Depth Water:** 204 feet

| Water Bearing Stratifications: | Top | Bottom | Description |
|---|---|---|---|
| | 240 | 325 | Sandstone/Gravel/Conglomerate |

| Casing Perforations: | Top | Bottom |
|---|---|---|
| | 245 | 287 |

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

# New Mexico NFHL Data




October 27, 2022

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

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

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

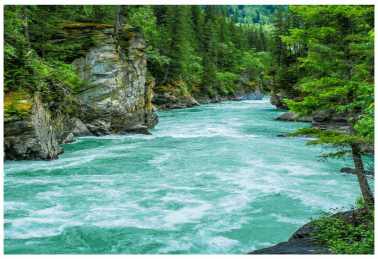
This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

# APPENDIX E

CARMONA RESOURCES

Report to:

Conner Moehring



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

# envirotech

***Practical Solutions for a Better Tomorrow***

## Analytical Report

### Carmona Resources

Project Name: Patrick API Battery

Work Order: E209108

Job Number: [none]

Received: 9/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/21/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 9/21/22

Conner Moehring
310 West Wall St. Suite 415
Midland, TX 79701

Project Name: Patrick API Battery
Workorder: E209108
Date Received: 9/20/2022 10:55:00AM

Conner Moehring,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/20/2022 10:55:00AM, under the Project Name: Patrick API Battery.

The analytical test results summarized in this report with the Project Name: Patrick API Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

**Raina Schwanz**
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

**Alexa Michaels**
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Field Offices:

**Southern New Mexico Area**
**Lynn Jarboe**
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Office: 505-421-LABS(5227)
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ljarboe@envirotech-inc.com

**West Texas Midland/Odessa Area**
**Rayny Hagan**
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

# Table of Contents

# Table of Contents (continued)

# Sample Summary

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 09/21/22 18:18 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| S-1 (0-1') | E209108-01A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-1 (1.5') | E209108-02A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-1 (2') | E209108-03A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-1 (2.5') | E209108-04A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-1 (3') | E209108-05A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-1 (4') | E209108-06A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-2 (0-1') | E209108-07A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-2 (1.5') | E209108-08A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-2 (2') | E209108-09A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-2 (2.5') | E209108-10A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-2 (3') | E209108-11A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-2 (3.5') | E209108-12A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-2 (4') | E209108-13A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-3 (0-1') | E209108-14A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-3 (1.5') | E209108-15A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-3 (2') | E209108-16A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-3 (2.5') | E209108-17A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-3 (3') | E209108-18A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-3 (3.5') | E209108-19A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| S-3 (4') | E209108-20A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| H-1 (0-0.5') | E209108-21A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| H-2 (0-0.5') | E209108-22A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| H-3 (0-0.5') | E209108-23A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |
| H-4 (0-0.5') | E209108-24A | Soil | 09/16/22 | 09/20/22 | Glass Jar, 4 oz. |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-1 (0-1')

**E209108-01**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Toluene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| o-Xylene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/20/22 | 09/21/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.2 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *81.0 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **196** | 25.0 | 1 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **95.8** | 50.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *70.4 %* | *50-200* | *09/20/22* | *09/21/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-1 (1.5')

**E209108-02**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Toluene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| o-Xylene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/20/22 | 09/21/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.4 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *80.4 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **28.0** | 25.0 | 1 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *88.8 %* | *50-200* | *09/20/22* | *09/21/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-1 (2')

**E209108-03**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Toluene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| o-Xylene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/20/22 | 09/21/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *100 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *79.6 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **182** | 25.0 | 1 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **66.8** | 50.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *77.3 %* | *50-200* | *09/20/22* | *09/21/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-1 (2.5')

**E209108-04**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Toluene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| o-Xylene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/20/22 | 09/21/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.0 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *81.3 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **68.9** | 25.0 | 1 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **72.8** | 50.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *69.7 %* | *50-200* | *09/20/22* | *09/21/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-1 (3')

**E209108-05**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Toluene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| o-Xylene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/20/22 | 09/21/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.0 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *81.9 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *73.5 %* | *50-200* | *09/20/22* | *09/21/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | **20.0** | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-1 (4')

**E209108-06**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Toluene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| o-Xylene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/20/22 | 09/21/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.2 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *82.0 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *73.3 %* | *50-200* | *09/20/22* | *09/21/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | **21.4** | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-2 (0-1')

**E209108-07**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **0.189** | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **2.39** | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Toluene | **1.86** | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| o-Xylene | **5.79** | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **5.63** | 0.0500 | 1 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **11.4** | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *123 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **185** | 20.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *106 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **6000** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **1650** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *162 %* | *50-200* | *09/20/22* | *09/21/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-2 (1.5')

**E209108-08**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **67.4** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **76.3** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Toluene | **163** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| o-Xylene | **30.4** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **67.1** | 0.500 | 10 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **97.5** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *103 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **1430** | 200 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *86.8 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **10100** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **2950** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *364 %* | *50-200* | *09/20/22* | *09/21/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-2 (2')

**E209108-09**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **89.9** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **78.9** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Toluene | **184** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| o-Xylene | **29.8** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **70.4** | 0.500 | 10 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **100** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *100 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **1460** | 200 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *85.1 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **11300** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **3350** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *410 %* | *50-200* | *09/20/22* | *09/21/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-2 (2.5')

## E209108-10

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **91.9** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **76.6** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Toluene | **181** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| o-Xylene | **28.7** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **69.7** | 0.500 | 10 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **98.5** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *102 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **1480** | 200 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *85.8 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **9820** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **2850** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *363 %* | *50-200* | *09/20/22* | *09/21/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-2 (3')

**E209108-11**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **100** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **85.1** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Toluene | **198** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| o-Xylene | **31.8** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **78.1** | 0.500 | 10 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **110** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *108 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **1640** | 200 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *85.6 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **8920** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **2670** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *352 %* | *50-200* | *09/20/22* | *09/21/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-2 (3.5')

**E209108-12**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **128** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **82.5** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| Toluene | **214** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| o-Xylene | **30.2** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **75.1** | 1.00 | 20 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **105** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.5 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **1680** | 400 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *87.2 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **11300** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **3170** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *459 %* | *50-200* | *09/20/22* | *09/21/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

**S-2 (4')**

**E209108-13**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **139** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **110** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| Toluene | **257** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| o-Xylene | **39.6** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **104** | 1.00 | 20 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **143** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *101 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **2410** | 400 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *87.4 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **12900** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **3940** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *513 %* | *50-200* | *09/20/22* | *09/21/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-3 (0-1')

**E209108-14**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **0.508** | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **1.84** | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Toluene | **2.45** | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| o-Xylene | **16.9** | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **25.1** | 0.0500 | 1 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **41.9** | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *112 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **339** | 20.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *111 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **11900** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **4560** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *297 %* | *50-200* | *09/20/22* | *09/21/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-3 (1.5')

## E209108-15

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **2.60** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **2.20** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Toluene | **8.39** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| o-Xylene | **24.6** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **44.9** | 0.500 | 10 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **69.5** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *106 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **601** | 200 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *83.3 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **7980** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **3420** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *240 %* | *50-200* | *09/20/22* | *09/21/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-3 (2')

## E209108-16

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **104** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **79.0** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Toluene | **151** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| o-Xylene | **29.7** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **72.4** | 0.500 | 10 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **102** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *102 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **1450** | 200 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *84.7 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **8010** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **3310** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *313 %* | *50-200* | *09/20/22* | *09/21/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-3 (2.5')

**E209108-17**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **94.6** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **81.5** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| Toluene | **188** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| o-Xylene | **30.9** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **76.5** | 0.500 | 10 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **107** | 0.250 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *104 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **1470** | 200 | 10 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *82.3 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **5280** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **2390** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *230 %* | *50-200* | *09/20/22* | *09/21/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-3 (3')

## E209108-18

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **81.4** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **54.2** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| Toluene | **143** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| o-Xylene | **19.6** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **50.2** | 1.00 | 20 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **69.8** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *101 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **1050** | 400 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *88.4 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **8630** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **3600** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *334 %* | *50-200* | *09/20/22* | *09/21/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-3 (3.5')

**E209108-19**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **87.6** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **60.5** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| Toluene | **158** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| o-Xylene | **22.1** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **56.6** | 1.00 | 20 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **78.7** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *101 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **1140** | 400 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *86.1 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **8050** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **2030** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *300 %* | *50-200* | *09/20/22* | *09/21/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## S-3 (4')

## E209108-20

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Benzene | **92.2** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | **51.1** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| Toluene | **144** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| o-Xylene | **18.6** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | **46.2** | 1.00 | 20 | 09/20/22 | 09/21/22 | |
| Total Xylenes | **64.8** | 0.500 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.7 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239056 |
| Gasoline Range Organics (C6-C10) | **975** | 400 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *87.7 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239050 |
| Diesel Range Organics (C10-C28) | **6190** | 500 | 20 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | **1580** | 1000 | 20 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *246 %* | *50-200* | *09/20/22* | *09/21/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239052 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## H-1 (0-0.5')

**E209108-21**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239057 |
| Benzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Toluene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| o-Xylene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/20/22 | 09/21/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: Bromofluorobenzene* | | *102 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *89.7 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: Toluene-d8* | | *97.6 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239057 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: Bromofluorobenzene* | | *102 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *89.7 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: Toluene-d8* | | *97.6 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *74.0 %* | *50-200* | *09/20/22* | *09/21/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239053 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## H-2 (0-0.5')

**E209108-22**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239057 |
| Benzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Toluene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| o-Xylene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/20/22 | 09/21/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: Bromofluorobenzene* | | *99.8 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *90.7 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: Toluene-d8* | | *97.7 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239057 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: Bromofluorobenzene* | | *99.8 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *90.7 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: Toluene-d8* | | *97.7 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *71.4 %* | *50-200* | *09/20/22* | *09/21/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239053 |
| Chloride | **21.4** | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## H-3 (0-0.5')

**E209108-23**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239057 |
| Benzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Toluene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| o-Xylene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/20/22 | 09/21/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: Bromofluorobenzene* | | *100 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *94.0 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: Toluene-d8* | | *98.2 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239057 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: Bromofluorobenzene* | | *100 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *94.0 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: Toluene-d8* | | *98.2 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *71.8 %* | *50-200* | *09/20/22* | *09/21/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239053 |
| Chloride | **23.1** | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | [none] | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## H-4 (0-0.5')

## E209108-24

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239057 |
| Benzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| Toluene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| o-Xylene | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/20/22 | 09/21/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: Bromofluorobenzene* | | *98.0 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *91.6 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: Toluene-d8* | | *97.8 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2239057 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: Bromofluorobenzene* | | *98.0 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *91.6 %* | *70-130* | *09/20/22* | *09/21/22* | |
| *Surrogate: Toluene-d8* | | *97.8 %* | *70-130* | *09/20/22* | *09/21/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2239026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/20/22 | 09/21/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/20/22 | 09/21/22 | |
| *Surrogate: n-Nonane* | | *67.9 %* | *50-200* | *09/20/22* | *09/21/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2239053 |
| Chloride | ND | 20.0 | 1 | 09/20/22 | 09/21/22 | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | [none] | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2239057-BLK1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| *Surrogate: Bromofluorobenzene* | *0.509* | | *0.500* | | *102* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.460* | | *0.500* | | *91.9* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.485* | | *0.500* | | *96.9* | *70-130* | | | |
| **LCS (2239057-BS1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Benzene | 2.17 | 0.0250 | 2.50 | | 86.7 | 70-130 | | | |
| Ethylbenzene | 2.28 | 0.0250 | 2.50 | | 91.4 | 70-130 | | | |
| Toluene | 2.16 | 0.0250 | 2.50 | | 86.2 | 70-130 | | | |
| o-Xylene | 2.33 | 0.0250 | 2.50 | | 93.2 | 70-130 | | | |
| p,m-Xylene | 4.51 | 0.0500 | 5.00 | | 90.2 | 70-130 | | | |
| Total Xylenes | 6.84 | 0.0250 | 7.50 | | 91.2 | 70-130 | | | |
| *Surrogate: Bromofluorobenzene* | *0.517* | | *0.500* | | *103* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.457* | | *0.500* | | *91.3* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.492* | | *0.500* | | *98.3* | *70-130* | | | |
| **LCS Dup (2239057-BSD1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Benzene | 2.09 | 0.0250 | 2.50 | | 83.6 | 70-130 | 3.59 | 23 | |
| Ethylbenzene | 2.19 | 0.0250 | 2.50 | | 87.7 | 70-130 | 4.09 | 27 | |
| Toluene | 2.04 | 0.0250 | 2.50 | | 81.6 | 70-130 | 5.53 | 24 | |
| o-Xylene | 2.25 | 0.0250 | 2.50 | | 90.0 | 70-130 | 3.54 | 27 | |
| p,m-Xylene | 4.33 | 0.0500 | 5.00 | | 86.5 | 70-130 | 4.22 | 27 | |
| Total Xylenes | 6.58 | 0.0250 | 7.50 | | 87.7 | 70-130 | 3.99 | 27 | |
| *Surrogate: Bromofluorobenzene* | *0.520* | | *0.500* | | *104* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.471* | | *0.500* | | *94.1* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.495* | | *0.500* | | *99.0* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | [none] | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## Volatile Organics by EPA 8021B

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2239056-BLK1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/20/22 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.96* | | *8.00* | | *99.5* | *70-130* | | | |
| **LCS (2239056-BS1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/20/22 |
| Benzene | 4.86 | 0.0250 | 5.00 | | 97.1 | 70-130 | | | |
| Ethylbenzene | 4.27 | 0.0250 | 5.00 | | 85.3 | 70-130 | | | |
| Toluene | 4.44 | 0.0250 | 5.00 | | 88.8 | 70-130 | | | |
| o-Xylene | 4.35 | 0.0250 | 5.00 | | 87.0 | 70-130 | | | |
| p,m-Xylene | 8.65 | 0.0500 | 10.0 | | 86.5 | 70-130 | | | |
| Total Xylenes | 13.0 | 0.0250 | 15.0 | | 86.7 | 70-130 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.94* | | *8.00* | | *99.2* | *70-130* | | | |
| **LCS Dup (2239056-BSD1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/20/22 |
| Benzene | 4.94 | 0.0250 | 5.00 | | 98.9 | 70-130 | 1.75 | 20 | |
| Ethylbenzene | 4.34 | 0.0250 | 5.00 | | 86.8 | 70-130 | 1.76 | 20 | |
| Toluene | 4.53 | 0.0250 | 5.00 | | 90.5 | 70-130 | 1.96 | 20 | |
| o-Xylene | 4.46 | 0.0250 | 5.00 | | 89.1 | 70-130 | 2.45 | 20 | |
| p,m-Xylene | 8.80 | 0.0500 | 10.0 | | 88.0 | 70-130 | 1.66 | 20 | |
| Total Xylenes | 13.3 | 0.0250 | 15.0 | | 88.4 | 70-130 | 1.93 | 20 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.94* | | *8.00* | | *99.2* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | [none] | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2239056-BLK1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/20/22 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *6.59* | | *8.00* | | *82.4* | *70-130* | | | |
| **LCS (2239056-BS2)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/20/22 |
| Gasoline Range Organics (C6-C10) | 45.6 | 20.0 | 50.0 | | 91.3 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *6.67* | | *8.00* | | *83.4* | *70-130* | | | |
| **LCS Dup (2239056-BSD2)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/20/22 |
| Gasoline Range Organics (C6-C10) | 48.4 | 20.0 | 50.0 | | 96.9 | 70-130 | 5.99 | 20 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *6.70* | | *8.00* | | *83.7* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | [none] | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2239057-BLK1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| *Surrogate: Bromofluorobenzene* | *0.509* | | *0.500* | | *102* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.460* | | *0.500* | | *91.9* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.485* | | *0.500* | | *96.9* | *70-130* | | | |
| **LCS (2239057-BS2)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Gasoline Range Organics (C6-C10) | 39.1 | 20.0 | 50.0 | | 78.2 | 70-130 | | | |
| *Surrogate: Bromofluorobenzene* | *0.515* | | *0.500* | | *103* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.452* | | *0.500* | | *90.3* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.495* | | *0.500* | | *99.0* | *70-130* | | | |
| **LCS Dup (2239057-BSD2)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Gasoline Range Organics (C6-C10) | 42.3 | 20.0 | 50.0 | | 84.5 | 70-130 | 7.79 | 20 | |
| *Surrogate: Bromofluorobenzene* | *0.508* | | *0.500* | | *102* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.454* | | *0.500* | | *90.7* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.497* | | *0.500* | | *99.3* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | [none] | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2239026-BLK1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/20/22 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| *Surrogate: n-Nonane* | *38.8* | | *50.0* | | *77.5* | *50-200* | | | |
| **LCS (2239026-BS1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/20/22 |
| Diesel Range Organics (C10-C28) | 233 | 25.0 | 250 | | 93.0 | 38-132 | | | |
| *Surrogate: n-Nonane* | *35.0* | | *50.0* | | *70.0* | *50-200* | | | |
| **Matrix Spike (2239026-MS1)** | | | | **Source: E209098-26** | | | | | Prepared: 09/20/22 Analyzed: 09/20/22 |
| Diesel Range Organics (C10-C28) | 245 | 25.0 | 250 | ND | 98.2 | 38-132 | | | |
| *Surrogate: n-Nonane* | *33.9* | | *50.0* | | *67.7* | *50-200* | | | |
| **Matrix Spike Dup (2239026-MSD1)** | | | | **Source: E209098-26** | | | | | Prepared: 09/20/22 Analyzed: 09/20/22 |
| Diesel Range Organics (C10-C28) | 248 | 25.0 | 250 | ND | 99.2 | 38-132 | 1.05 | 20 | |
| *Surrogate: n-Nonane* | *35.1* | | *50.0* | | *70.3* | *50-200* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | [none] | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2239050-BLK1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| *Surrogate: n-Nonane* | *36.9* | | *50.0* | | *73.8* | *50-200* | | | |
| **LCS (2239050-BS1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Diesel Range Organics (C10-C28) | 219 | 25.0 | 250 | | 87.7 | 38-132 | | | |
| *Surrogate: n-Nonane* | *35.9* | | *50.0* | | *71.7* | *50-200* | | | |
| **Matrix Spike (2239050-MS1)** | | | | **Source: E209108-03** | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Diesel Range Organics (C10-C28) | 143 | 25.0 | 250 | 182 | NR | 38-132 | | | M2 |
| *Surrogate: n-Nonane* | *25.7* | | *50.0* | | *51.4* | *50-200* | | | |
| **Matrix Spike Dup (2239050-MSD1)** | | | | **Source: E209108-03** | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Diesel Range Organics (C10-C28) | 263 | 25.0 | 250 | 182 | 32.4 | 38-132 | 59.1 | 20 | M2, R4 |
| *Surrogate: n-Nonane* | *35.0* | | *50.0* | | *70.0* | *50-200* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | [none] | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## Anions by EPA 300.0/9056A

Analyst: RAS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2239052-BLK1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Chloride | ND | 20.0 | | | | | | | |
| **LCS (2239052-BS1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Chloride | 256 | 20.0 | 250 | | 102 | 90-110 | | | |
| **Matrix Spike (2239052-MS1)** | | | | **Source: E209108-01** | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Chloride | 260 | 20.0 | 250 | ND | 104 | 80-120 | | | |
| **Matrix Spike Dup (2239052-MSD1)** | | | | **Source: E209108-01** | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Chloride | 260 | 20.0 | 250 | ND | 104 | 80-120 | 0.208 | 20 | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | [none] | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 9/21/2022 6:18:52PM |

## Anions by EPA 300.0/9056A

Analyst: RAS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2239053-BLK1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Chloride | ND | 20.0 | | | | | | | |
| **LCS (2239053-BS1)** | | | | | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Chloride | 259 | 20.0 | 250 | | 104 | 90-110 | | | |
| **Matrix Spike (2239053-MS1)** | | | | **Source: E209108-21** | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Chloride | 263 | 20.0 | 250 | ND | 105 | 80-120 | | | |
| **Matrix Spike Dup (2239053-MSD1)** | | | | **Source: E209108-21** | | | | | Prepared: 09/20/22 Analyzed: 09/21/22 |
| Chloride | 261 | 20.0 | 250 | ND | 104 | 80-120 | 0.861 | 20 | |

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

# Definitions and Notes

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 09/21/22 18:18 |

| | |
|---|---|
| M2 | Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable. |
| R4 | The RPD exceeded the acceptance limit. Sample visually appears to be non-homogenous. |
| S5 | Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| DNI | Did Not Ignite |

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

# Chain of Custody

**Work Order No:** E209108



| | | | |
|---|---|---|---|
| Project Manager: | Conner Moehring | Bill to: (if different) | Mark Ritchie |
| Company Name: | Carmona Resources | Company Name: | |
| Address: | 310 W Wall St Ste 415 | Address: | |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | |
| Phone: | (432) 813-6823 | Email: | mritchie@silverbackexp.com |

**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: | Patrick API Battery | Turn Around | |
| Project Number: | 1130 | ☐ Routine | ☑ Rush |
| Project Location | Eddy County, New Mexico | Due Date: | 48HR |
| Sampler's Name: | CRM / AT | | |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | S-1 (0-1') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 2 | S-1 (1.5') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 3 | S-1 (2') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 4 | S-1 (2.5') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 5 | S-1 (3') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 6 | S-1 (4') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 7 | S-2 (0-1') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 8 | S-2 (1.5') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 9 | S-2 (2') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 10 | S-2 (2.5') | 9/16/2022 | | X | | G | 1 | | X | X | X | |

**Comments:**

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|---|---|---|---|
| | 9.14.22 | | 9.19.22 |
| | 9.19.22 | | 9/20/22 10:5 |

# Chain of Custody

Work Order No: E209108



| | | | |
|---|---|---|---|
| Project Manager: | Conner Moehring | Bill to: (if different) | |
| Company Name: | Carmona Resources | Company Name: | |
| Address: | 310 W Wall St Ste 415 | Address: | |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | |
| Phone: | (432) 813-6823 | 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: | Patrick API Battery | Turn Around | |
| Project Number: | 1130 | ☐ Routine ☐ Rush | |
| Project Location | Eddy County, New Mexico | Due Date: | |
| Sampler's Name: | CRM / AT | | |
| 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; $H_2SO_4$: $H_2$; 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | S-2 (3') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 12 | S-2 (3.5') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 13 | S-2 (4') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 14 | S-3 (0-1') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 15 | S-3 (1.5') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 16 | S-3 (2') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 17 | S-3 (2.5') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 18 | S-3 (3') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 19 | S-3 (3.5') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 20 | S-3 (4') | 9/16/2022 | | X | | G | 1 | | X | X | X | |

Comments:

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|---|---|---|---|
| Mike Carmona | 9.19.22 | | 9.19.22 |
| | 9.19.22 | Cantha Chastain | 9/20/22 10:5 |
| | | | |

# Chain of Custody

Work Order No: E209108



| | | | |
|---|---|---|---|
| Project Manager: | Conner Moehring | Bill to: (if different) | |
| Company Name: | Carmona Resources | Company Name: | |
| Address: | 310 W Wall St Ste 415 | Address: | |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | |
| Phone: | (432) 813-6823 | 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: | Patrick API Battery | Turn Around | |
| Project Number: | 1130 | ☐ Routine ☐ Rush | |
| Project Location | Eddy County, New Mexico | Due Date: | |
| Sampler's Name: | CRM / AT | | |
| 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; $H_2SO_4$: $H_2$; 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 | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 300.0 | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | H-1 (0-0.5') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 22 | H-2 (0-0.5') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 23 | H-3 (0-0.5') | 9/16/2022 | | X | | G | 1 | | X | X | X | |
| 24 | H-4 (0-0.5') | 9/16/2022 | | X | | G | 1 | | X | X | X | |

Parameters

ANALYSIS REQUEST

Comments:

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|---|---|---|---|
| | 9.19.22 | | 9.19.22 |
| | 9.19.22 | | 9/20/22 10:5 |

# Envirotech Analytical Laboratory

Printed: 9/20/2022 1:27:17PM

## Sample Receipt Checklist (SRC)

**Instructions: Please take note of any NO checkmarks.**
**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

| | | | | | |
|---|---|---|---|---|---|
| Client: | Carmona Resources | Date Received: | 09/20/22 10:55 | Work Order ID: | E209108 |
| Phone: | (432) 813-6823 | Date Logged In: | 09/20/22 10:50 | Logged In By: | Caitlin Christian |
| Email: | cmoehring@carmonaresouces.com | Due Date: | 09/21/22 17:00 (1 day TAT) | | |

**Chain of Custody (COC)**

| | | |
|---|---|---|
| 1. Does the sample ID match the COC? | Yes | |
| 2. Does the number of samples per sampling site location match the COC | Yes | |
| 3. Were samples dropped off by client or carrier? | Yes | Carrier: UPS |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | No | |
| 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion. | Yes | |

**Sample Turn Around Time (TAT)**

| | | |
|---|---|---|
| 6. Did the COC indicate standard TAT, or Expedited TAT? | Yes | |

**Sample Cooler**

| | | |
|---|---|---|
| 7. Was a sample cooler received? | Yes | |
| 8. If yes, was cooler received in good condition? | Yes | |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes | |
| 10. Were custody/security seals present? | No | |
| 11. If yes, were custody/security seals intact? | NA | |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling | Yes | |
| 13. If no visible ice, record the temperature. Actual sample temperature: 4°C | | |

**Sample Container**

| | | |
|---|---|---|
| 14. Are aqueous VOC samples present? | No | |
| 15. Are VOC samples collected in VOA Vials? | NA | |
| 16. Is the head space less than 6-8 mm (pea sized or less)? | NA | |
| 17. Was a trip blank (TB) included for VOC analyses? | NA | |
| 18. Are non-VOC samples collected in the correct containers? | Yes | |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes | |

**Field Label**

| | | |
|---|---|---|
| 20. Were field sample labels filled out with the minimum information: | | |
| Sample ID? | Yes | |
| Date/Time Collected? | Yes | |
| Collectors name? | No | |

**Sample Preservation**

| | | |
|---|---|---|
| 21. Does the COC or field labels indicate the samples were preserved? | No | |
| 22. Are sample(s) correctly preserved? | NA | |
| 24. Is lab filteration required and/or requested for dissolved metals? | No | |

**Multiphase Sample Matrix**

| | | |
|---|---|---|
| 26. Does the sample have more than one phase, i.e., multiphase? | No | |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? | NA | |

**Subcontract Laboratory**

| | | |
|---|---|---|
| 28. Are samples required to get sent to a subcontract laboratory? | No | |
| 29. Was a subcontract laboratory specified by the client and if so who? | NA | Subcontract Lab: na |

**Comments/Resolution**

Time sampled not provided on COC.

**Client Instruction**

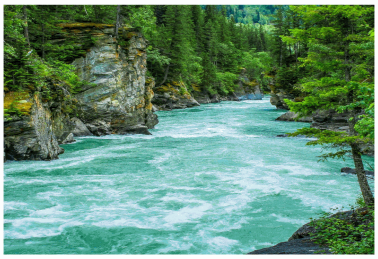
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Conner Moehring



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

# envirotech

***Practical Solutions for a Better Tomorrow***

## Analytical Report

### Carmona Resources

| | |
|---|---|
| Project Name: | Patrick API Battery |
| Work Order: | E212092 |
| Job Number: | 22113-0001 |
| Received: | 12/15/2022 |

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/21/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/21/22

Conner Moehring
310 West Wall St. Suite 415
Midland, TX 79701

Project Name: Patrick API Battery
Workorder: E212092
Date Received: 12/15/2022 10:30:00AM

Conner Moehring,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/15/2022 10:30:00AM, under the Project Name: Patrick API Battery.

The analytical test results summarized in this report with the Project Name: Patrick API Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

**Raina Schwanz**
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

**Alexa Michaels**
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

**Southern New Mexico Area**
**Lynn Jarboe**
Technical Representative/Client Services
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Cell: 505-320-4759
ljarboe@envirotech-inc.com

**West Texas Midland/Odessa Area**
**Rayny Hagan**
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

# Table of Contents

# Table of Contents (continued)

# Sample Summary

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/22 08:58 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| BH-1 (0 - 1') | E212092-01A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-1 (2 - 3') | E212092-02A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-1 (4 - 5') | E212092-03A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-1 (6 - 7') | E212092-04A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-2 (0 - 1') | E212092-05A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-2 (2 - 3') | E212092-06A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-2 (4 - 5') | E212092-07A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-2 (6 - 7') | E212092-08A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-2 (8 - 9') | E212092-09A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-2 (10') | E212092-10A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-2 (12 - 13') | E212092-11A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-2 (14 - 15') | E212092-12A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-2 (20') | E212092-13A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-3 (0 - 1') | E212092-14A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-3 (2 - 3') | E212092-15A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-3 (4 - 5') | E212092-16A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-3 (6 - 7') | E212092-17A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-3 (8 - 9') | E212092-18A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-3 (10') | E212092-19A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-3 (12 - 13') | E212092-20A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-3 (14 - 15') | E212092-21A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |
| BH-3 (20') | E212092-22A | Soil | 12/07/22 | 12/15/22 | Glass Jar, 4 oz. |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-1 (0 - 1')

**E212092-01**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **0.568** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| Ethylbenzene | **0.991** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| Toluene | **1.78** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| o-Xylene | **3.40** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| p,m-Xylene | **3.63** | 0.100 | 2 | 12/15/22 | 12/16/22 | |
| Total Xylenes | **7.03** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *98.5 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **115** | 40.0 | 2 | 12/15/22 | 12/16/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *103 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **22700** | 2500 | 100 | 12/16/22 | 12/17/22 | |
| Oil Range Organics (C28-C36) | **9690** | 5000 | 100 | 12/16/22 | 12/17/22 | |
| *Surrogate: n-Nonane* | | *96.1 %* | *50-200* | *12/16/22* | *12/17/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-1 (2 - 3')

**E212092-02**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **0.0425** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| Ethylbenzene | **0.181** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| Toluene | **0.240** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| o-Xylene | **0.0670** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| p,m-Xylene | **0.0528** | 0.0500 | 1 | 12/15/22 | 12/16/22 | |
| Total Xylenes | **0.120** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *86.3 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 12/15/22 | 12/16/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *97.0 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **408** | 50.0 | 2 | 12/16/22 | 12/16/22 | |
| Oil Range Organics (C28-C36) | **184** | 100 | 2 | 12/16/22 | 12/16/22 | |
| *Surrogate: n-Nonane* | | *98.2 %* | *50-200* | *12/16/22* | *12/16/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | **22.1** | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-1 (4 - 5')

**E212092-03**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **0.0252** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| Ethylbenzene | **0.0874** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| Toluene | **0.0569** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| o-Xylene | **0.0436** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 12/15/22 | 12/16/22 | |
| Total Xylenes | **0.0436** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *88.5 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 12/15/22 | 12/16/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *96.7 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **78.7** | 25.0 | 1 | 12/16/22 | 12/16/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 12/16/22 | 12/16/22 | |
| *Surrogate: n-Nonane* | | *100 %* | *50-200* | *12/16/22* | *12/16/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-1 (6 - 7')

**E212092-04**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | ND | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| Toluene | **0.0424** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| o-Xylene | ND | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 12/15/22 | 12/16/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *96.4 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 12/15/22 | 12/16/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *95.1 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **33.3** | 25.0 | 1 | 12/16/22 | 12/16/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 12/16/22 | 12/16/22 | |
| *Surrogate: n-Nonane* | | *103 %* | *50-200* | *12/16/22* | *12/16/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | **43.8** | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-2 (0 - 1')

**E212092-05**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **0.625** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| Ethylbenzene | **0.613** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| Toluene | **1.50** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| o-Xylene | **3.23** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| p,m-Xylene | **3.50** | 0.100 | 2 | 12/15/22 | 12/16/22 | |
| Total Xylenes | **6.73** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *103 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **87.3** | 40.0 | 2 | 12/15/22 | 12/16/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *97.6 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **24300** | 2500 | 100 | 12/16/22 | 12/17/22 | |
| Oil Range Organics (C28-C36) | **10600** | 5000 | 100 | 12/16/22 | 12/17/22 | |
| *Surrogate: n-Nonane* | | *100 %* | *50-200* | *12/16/22* | *12/17/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-2 (2 - 3')

**E212092-06**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **0.0744** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| Ethylbenzene | **0.0442** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| Toluene | **0.162** | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| o-Xylene | ND | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 12/15/22 | 12/16/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 12/15/22 | 12/16/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *96.9 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 12/15/22 | 12/16/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *93.7 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **926** | 125 | 5 | 12/16/22 | 12/16/22 | |
| Oil Range Organics (C28-C36) | **581** | 250 | 5 | 12/16/22 | 12/16/22 | |
| *Surrogate: n-Nonane* | | *113 %* | *50-200* | *12/16/22* | *12/16/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | **29.0** | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-2 (4 - 5')

**E212092-07**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **78.8** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| Ethylbenzene | **73.2** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| Toluene | **174** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| o-Xylene | **27.3** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| p,m-Xylene | **67.2** | 1.00 | 20 | 12/15/22 | 12/19/22 | |
| Total Xylenes | **94.5** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.3 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **1190** | 400 | 20 | 12/15/22 | 12/19/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *95.0 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **16100** | 1250 | 50 | 12/16/22 | 12/17/22 | |
| Oil Range Organics (C28-C36) | **4440** | 2500 | 50 | 12/16/22 | 12/17/22 | |
| *Surrogate: n-Nonane* | | *435 %* | *50-200* | *12/16/22* | *12/17/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-2 (6 - 7')

**E212092-08**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **47.6** | 0.250 | 10 | 12/15/22 | 12/16/22 | |
| Ethylbenzene | **54.7** | 0.250 | 10 | 12/15/22 | 12/16/22 | |
| Toluene | **117** | 0.250 | 10 | 12/15/22 | 12/16/22 | |
| o-Xylene | **21.3** | 0.250 | 10 | 12/15/22 | 12/16/22 | |
| p,m-Xylene | **51.9** | 0.500 | 10 | 12/15/22 | 12/16/22 | |
| Total Xylenes | **73.1** | 0.250 | 10 | 12/15/22 | 12/16/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *100 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **1030** | 200 | 10 | 12/15/22 | 12/16/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *101 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **8540** | 500 | 20 | 12/16/22 | 12/16/22 | |
| Oil Range Organics (C28-C36) | **2210** | 1000 | 20 | 12/16/22 | 12/16/22 | |
| *Surrogate: n-Nonane* | | *258 %* | *50-200* | *12/16/22* | *12/16/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-2 (8 - 9')

**E212092-09**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **25.0** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| Ethylbenzene | **35.2** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| Toluene | **70.4** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| o-Xylene | **13.7** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| p,m-Xylene | **33.8** | 0.500 | 10 | 12/15/22 | 12/19/22 | |
| Total Xylenes | **47.5** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *100 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **650** | 200 | 10 | 12/15/22 | 12/19/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *95.2 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **4640** | 250 | 10 | 12/16/22 | 12/16/22 | |
| Oil Range Organics (C28-C36) | **1260** | 500 | 10 | 12/16/22 | 12/16/22 | |
| *Surrogate: n-Nonane* | | *195 %* | *50-200* | *12/16/22* | *12/16/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-2 (10')

**E212092-10**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **4.38** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| Ethylbenzene | **24.2** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| Toluene | **34.8** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| o-Xylene | **9.71** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| p,m-Xylene | **25.3** | 0.500 | 10 | 12/15/22 | 12/19/22 | |
| Total Xylenes | **35.0** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *101 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **429** | 200 | 10 | 12/15/22 | 12/19/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *96.8 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **4450** | 250 | 10 | 12/16/22 | 12/16/22 | |
| Oil Range Organics (C28-C36) | **1210** | 500 | 10 | 12/16/22 | 12/16/22 | |
| *Surrogate: n-Nonane* | | *161 %* | *50-200* | *12/16/22* | *12/16/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | **20.0** | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-2 (12 - 13')

**E212092-11**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **1.57** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| Ethylbenzene | **19.2** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| Toluene | **21.3** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| o-Xylene | **8.39** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| p,m-Xylene | **22.0** | 0.500 | 10 | 12/15/22 | 12/19/22 | |
| Total Xylenes | **30.4** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *102 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **400** | 200 | 10 | 12/15/22 | 12/19/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *93.5 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **4670** | 250 | 10 | 12/16/22 | 12/16/22 | |
| Oil Range Organics (C28-C36) | **1320** | 500 | 10 | 12/16/22 | 12/16/22 | |
| *Surrogate: n-Nonane* | | *175 %* | *50-200* | *12/16/22* | *12/16/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | **28.3** | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-2 (14 - 15')

**E212092-12**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **1.21** | 0.0500 | 2 | 12/15/22 | 12/20/22 | |
| Ethylbenzene | **1.91** | 0.0500 | 2 | 12/15/22 | 12/20/22 | |
| Toluene | **4.13** | 0.0500 | 2 | 12/15/22 | 12/20/22 | |
| o-Xylene | **2.83** | 0.0500 | 2 | 12/15/22 | 12/20/22 | |
| p,m-Xylene | **3.89** | 0.100 | 2 | 12/15/22 | 12/20/22 | |
| Total Xylenes | **6.71** | 0.0500 | 2 | 12/15/22 | 12/20/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *104 %* | *70-130* | *12/15/22* | *12/20/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **85.0** | 40.0 | 2 | 12/15/22 | 12/20/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *96.1 %* | *70-130* | *12/15/22* | *12/20/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **18100** | 2500 | 100 | 12/16/22 | 12/17/22 | |
| Oil Range Organics (C28-C36) | **8260** | 5000 | 100 | 12/16/22 | 12/17/22 | |
| *Surrogate: n-Nonane* | | *100 %* | *50-200* | *12/16/22* | *12/17/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-2 (20')

**E212092-13**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | ND | 0.0250 | 1 | 12/15/22 | 12/20/22 | |
| Ethylbenzene | **0.0608** | 0.0250 | 1 | 12/15/22 | 12/20/22 | |
| Toluene | **0.0703** | 0.0250 | 1 | 12/15/22 | 12/20/22 | |
| o-Xylene | ND | 0.0250 | 1 | 12/15/22 | 12/20/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 12/15/22 | 12/20/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 12/15/22 | 12/20/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *92.6 %* | *70-130* | *12/15/22* | *12/20/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 12/15/22 | 12/20/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *94.5 %* | *70-130* | *12/15/22* | *12/20/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **37.0** | 25.0 | 1 | 12/16/22 | 12/16/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 12/16/22 | 12/16/22 | |
| *Surrogate: n-Nonane* | | *95.9 %* | *50-200* | *12/16/22* | *12/16/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | **26.0** | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-3 (0 - 1')

**E212092-14**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **0.436** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| Ethylbenzene | **0.813** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| Toluene | **1.57** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| o-Xylene | **2.89** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| p,m-Xylene | **3.21** | 0.100 | 2 | 12/15/22 | 12/16/22 | |
| Total Xylenes | **6.10** | 0.0500 | 2 | 12/15/22 | 12/16/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.6 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **86.4** | 40.0 | 2 | 12/15/22 | 12/16/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *101 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **21100** | 2500 | 100 | 12/16/22 | 12/17/22 | |
| Oil Range Organics (C28-C36) | **9170** | 5000 | 100 | 12/16/22 | 12/17/22 | |
| *Surrogate: n-Nonane* | | *97.3 %* | *50-200* | *12/16/22* | *12/17/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-3 (2 - 3')

**E212092-15**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **59.1** | 0.250 | 10 | 12/15/22 | 12/16/22 | |
| Ethylbenzene | **72.7** | 0.250 | 10 | 12/15/22 | 12/16/22 | |
| Toluene | **157** | 0.250 | 10 | 12/15/22 | 12/16/22 | |
| o-Xylene | **30.6** | 0.250 | 10 | 12/15/22 | 12/16/22 | |
| p,m-Xylene | **72.5** | 0.500 | 10 | 12/15/22 | 12/16/22 | |
| Total Xylenes | **103** | 0.250 | 10 | 12/15/22 | 12/16/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *101 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **1390** | 200 | 10 | 12/15/22 | 12/16/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *98.1 %* | *70-130* | *12/15/22* | *12/16/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **9840** | 1250 | 50 | 12/16/22 | 12/17/22 | |
| Oil Range Organics (C28-C36) | **2740** | 2500 | 50 | 12/16/22 | 12/17/22 | |
| *Surrogate: n-Nonane* | | *291 %* | *50-200* | *12/16/22* | *12/17/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-3 (4 - 5')

## E212092-16

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **65.2** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| Ethylbenzene | **72.5** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| Toluene | **160** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| o-Xylene | **27.9** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| p,m-Xylene | **67.3** | 1.00 | 20 | 12/15/22 | 12/19/22 | |
| Total Xylenes | **95.1** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *97.7 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **1220** | 400 | 20 | 12/15/22 | 12/19/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *97.4 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **15200** | 1250 | 50 | 12/16/22 | 12/17/22 | |
| Oil Range Organics (C28-C36) | **4110** | 2500 | 50 | 12/16/22 | 12/17/22 | |
| *Surrogate: n-Nonane* | | *412 %* | *50-200* | *12/16/22* | *12/17/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-3 (6 - 7')

## E212092-17

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **43.4** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| Ethylbenzene | **47.0** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| Toluene | **105** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| o-Xylene | **17.9** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| p,m-Xylene | **44.0** | 1.00 | 20 | 12/15/22 | 12/19/22 | |
| Total Xylenes | **62.0** | 0.500 | 20 | 12/15/22 | 12/19/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *98.2 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **869** | 400 | 20 | 12/15/22 | 12/19/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *97.2 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **8220** | 500 | 20 | 12/16/22 | 12/17/22 | |
| Oil Range Organics (C28-C36) | **2180** | 1000 | 20 | 12/16/22 | 12/17/22 | |
| *Surrogate: n-Nonane* | | *306 %* | *50-200* | *12/16/22* | *12/17/22* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-3 (8 - 9')

## E212092-18

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **18.9** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| Ethylbenzene | **31.7** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| Toluene | **60.6** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| o-Xylene | **11.8** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| p,m-Xylene | **30.7** | 0.500 | 10 | 12/15/22 | 12/19/22 | |
| Total Xylenes | **42.4** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *100 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **599** | 200 | 10 | 12/15/22 | 12/19/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *98.7 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **5020** | 500 | 20 | 12/16/22 | 12/17/22 | |
| Oil Range Organics (C28-C36) | **1420** | 1000 | 20 | 12/16/22 | 12/17/22 | |
| *Surrogate: n-Nonane* | | *195 %* | *50-200* | *12/16/22* | *12/17/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-3 (10')

**E212092-19**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **5.55** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| Ethylbenzene | **23.4** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| Toluene | **33.7** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| o-Xylene | **9.49** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| p,m-Xylene | **24.6** | 0.500 | 10 | 12/15/22 | 12/19/22 | |
| Total Xylenes | **34.1** | 0.250 | 10 | 12/15/22 | 12/19/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *101 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **447** | 200 | 10 | 12/15/22 | 12/19/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *95.7 %* | *70-130* | *12/15/22* | *12/19/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **4430** | 500 | 20 | 12/16/22 | 12/17/22 | |
| Oil Range Organics (C28-C36) | **1310** | 1000 | 20 | 12/16/22 | 12/17/22 | |
| *Surrogate: n-Nonane* | | *146 %* | *50-200* | *12/16/22* | *12/17/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | **20.3** | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-3 (12 - 13')

**E212092-20**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Benzene | **0.640** | 0.0500 | 2 | 12/15/22 | 12/17/22 | |
| Ethylbenzene | **15.9** | 0.0500 | 2 | 12/15/22 | 12/17/22 | |
| Toluene | **14.2** | 0.0500 | 2 | 12/15/22 | 12/17/22 | |
| o-Xylene | **7.25** | 0.0500 | 2 | 12/15/22 | 12/17/22 | |
| p,m-Xylene | **18.0** | 0.100 | 2 | 12/15/22 | 12/17/22 | |
| Total Xylenes | **25.2** | 0.0500 | 2 | 12/15/22 | 12/17/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *101 %* | *70-130* | *12/15/22* | *12/17/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251075 |
| Gasoline Range Organics (C6-C10) | **328** | 40.0 | 2 | 12/15/22 | 12/17/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *113 %* | *70-130* | *12/15/22* | *12/17/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251079 |
| Diesel Range Organics (C10-C28) | **5580** | 500 | 20 | 12/16/22 | 12/17/22 | |
| Oil Range Organics (C28-C36) | **1260** | 1000 | 20 | 12/16/22 | 12/17/22 | |
| *Surrogate: n-Nonane* | | *172 %* | *50-200* | *12/16/22* | *12/17/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251088 |
| Chloride | **28.2** | 20.0 | 1 | 12/16/22 | 12/17/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-3 (14 - 15')

**E212092-21**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251082 |
| Benzene | ND | 0.0250 | 1 | 12/16/22 | 12/17/22 | |
| Ethylbenzene | **0.255** | 0.0250 | 1 | 12/16/22 | 12/17/22 | |
| Toluene | **0.167** | 0.0250 | 1 | 12/16/22 | 12/17/22 | |
| o-Xylene | **0.143** | 0.0250 | 1 | 12/16/22 | 12/17/22 | |
| p,m-Xylene | **0.306** | 0.0500 | 1 | 12/16/22 | 12/17/22 | |
| Total Xylenes | **0.449** | 0.0250 | 1 | 12/16/22 | 12/17/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *106 %* | *70-130* | *12/16/22* | *12/17/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251082 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *98.9 %* | *70-130* | *12/16/22* | *12/17/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251080 |
| Diesel Range Organics (C10-C28) | **42.3** | 25.0 | 1 | 12/16/22 | 12/16/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 12/16/22 | 12/16/22 | |
| *Surrogate: n-Nonane* | | *97.6 %* | *50-200* | *12/16/22* | *12/16/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251089 |
| Chloride | ND | 20.0 | 1 | 12/19/22 | 12/19/22 | |

# Sample Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## BH-3 (20')

**E212092-22**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251082 |
| Benzene | ND | 0.0250 | 1 | 12/16/22 | 12/17/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 12/16/22 | 12/17/22 | |
| Toluene | ND | 0.0250 | 1 | 12/16/22 | 12/17/22 | |
| o-Xylene | ND | 0.0250 | 1 | 12/16/22 | 12/17/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 12/16/22 | 12/17/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 12/16/22 | 12/17/22 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *101 %* | *70-130* | *12/16/22* | *12/17/22* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2251082 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 12/16/22 | 12/17/22 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *98.4 %* | *70-130* | *12/16/22* | *12/17/22* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2251080 |
| Diesel Range Organics (C10-C28) | **26.9** | 25.0 | 1 | 12/16/22 | 12/16/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 12/16/22 | 12/16/22 | |
| *Surrogate: n-Nonane* | | *97.8 %* | *50-200* | *12/16/22* | *12/16/22* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2251089 |
| Chloride | **25.3** | 20.0 | 1 | 12/19/22 | 12/20/22 | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## Volatile Organics by EPA 8021B

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2251075-BLK1)** | | | | | | | | | Prepared: 12/15/22 Analyzed: 12/16/22 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.86* | | *8.00* | | *98.3* | *70-130* | | | |
| **LCS (2251075-BS1)** | | | | | | | | | Prepared: 12/15/22 Analyzed: 12/16/22 |
| Benzene | 4.69 | 0.0250 | 5.00 | | 93.9 | 70-130 | | | |
| Ethylbenzene | 4.87 | 0.0250 | 5.00 | | 97.4 | 70-130 | | | |
| Toluene | 4.95 | 0.0250 | 5.00 | | 98.9 | 70-130 | | | |
| o-Xylene | 4.99 | 0.0250 | 5.00 | | 99.7 | 70-130 | | | |
| p,m-Xylene | 9.88 | 0.0500 | 10.0 | | 98.8 | 70-130 | | | |
| Total Xylenes | 14.9 | 0.0250 | 15.0 | | 99.1 | 70-130 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.80* | | *8.00* | | *97.4* | *70-130* | | | |
| **Matrix Spike (2251075-MS1)** | | | | **Source: E212092-05** | | | | | Prepared: 12/15/22 Analyzed: 12/16/22 |
| Benzene | 9.33 | 0.0500 | 10.0 | 0.625 | 87.0 | 54-133 | | | |
| Ethylbenzene | 9.78 | 0.0500 | 10.0 | 0.613 | 91.6 | 61-133 | | | |
| Toluene | 10.7 | 0.0500 | 10.0 | 1.50 | 91.8 | 61-130 | | | |
| o-Xylene | 12.8 | 0.0500 | 10.0 | 3.23 | 95.8 | 63-131 | | | |
| p,m-Xylene | 21.6 | 0.100 | 20.0 | 3.50 | 90.5 | 63-131 | | | |
| Total Xylenes | 34.4 | 0.0500 | 30.0 | 6.73 | 92.2 | 63-131 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *16.5* | | *16.0* | | *103* | *70-130* | | | |
| **Matrix Spike Dup (2251075-MSD1)** | | | | **Source: E212092-05** | | | | | Prepared: 12/15/22 Analyzed: 12/16/22 |
| Benzene | 9.10 | 0.0500 | 10.0 | 0.625 | 84.7 | 54-133 | 2.48 | 20 | |
| Ethylbenzene | 9.75 | 0.0500 | 10.0 | 0.613 | 91.4 | 61-133 | 0.255 | 20 | |
| Toluene | 10.6 | 0.0500 | 10.0 | 1.50 | 90.7 | 61-130 | 0.980 | 20 | |
| o-Xylene | 12.6 | 0.0500 | 10.0 | 3.23 | 94.1 | 63-131 | 1.33 | 20 | |
| p,m-Xylene | 21.2 | 0.100 | 20.0 | 3.50 | 88.4 | 63-131 | 1.94 | 20 | |
| Total Xylenes | 33.8 | 0.0500 | 30.0 | 6.73 | 90.3 | 63-131 | 1.71 | 20 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *15.6* | | *16.0* | | *97.7* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## Volatile Organics by EPA 8021B

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2251082-BLK1)** | | | | | | | | | Prepared: 12/16/22 Analyzed: 12/17/22 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.11* | | *8.00* | | *101* | *70-130* | | | |
| **LCS (2251082-BS1)** | | | | | | | | | Prepared: 12/16/22 Analyzed: 12/17/22 |
| Benzene | 4.76 | 0.0250 | 5.00 | | 95.1 | 70-130 | | | |
| Ethylbenzene | 4.89 | 0.0250 | 5.00 | | 97.9 | 70-130 | | | |
| Toluene | 4.98 | 0.0250 | 5.00 | | 99.7 | 70-130 | | | |
| o-Xylene | 5.02 | 0.0250 | 5.00 | | 100 | 70-130 | | | |
| p,m-Xylene | 9.91 | 0.0500 | 10.0 | | 99.1 | 70-130 | | | |
| Total Xylenes | 14.9 | 0.0250 | 15.0 | | 99.5 | 70-130 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.11* | | *8.00* | | *101* | *70-130* | | | |
| **Matrix Spike (2251082-MS1)** | | | | **Source: E212092-22** | | | | | Prepared: 12/16/22 Analyzed: 12/17/22 |
| Benzene | 5.12 | 0.0250 | 5.00 | ND | 102 | 54-133 | | | |
| Ethylbenzene | 5.28 | 0.0250 | 5.00 | ND | 106 | 61-133 | | | |
| Toluene | 5.37 | 0.0250 | 5.00 | ND | 107 | 61-130 | | | |
| o-Xylene | 5.40 | 0.0250 | 5.00 | ND | 108 | 63-131 | | | |
| p,m-Xylene | 10.7 | 0.0500 | 10.0 | ND | 107 | 63-131 | | | |
| Total Xylenes | 16.1 | 0.0250 | 15.0 | ND | 107 | 63-131 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.15* | | *8.00* | | *102* | *70-130* | | | |
| **Matrix Spike Dup (2251082-MSD1)** | | | | **Source: E212092-22** | | | | | Prepared: 12/16/22 Analyzed: 12/17/22 |
| Benzene | 4.98 | 0.0250 | 5.00 | ND | 99.6 | 54-133 | 2.66 | 20 | |
| Ethylbenzene | 5.11 | 0.0250 | 5.00 | ND | 102 | 61-133 | 3.12 | 20 | |
| Toluene | 5.23 | 0.0250 | 5.00 | ND | 105 | 61-130 | 2.73 | 20 | |
| o-Xylene | 5.25 | 0.0250 | 5.00 | ND | 105 | 63-131 | 2.83 | 20 | |
| p,m-Xylene | 10.3 | 0.0500 | 10.0 | ND | 103 | 63-131 | 3.23 | 20 | |
| Total Xylenes | 15.6 | 0.0250 | 15.0 | ND | 104 | 63-131 | 3.09 | 20 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.09* | | *8.00* | | *101* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2251075-BLK1)** | | | | | | | | | Prepared: 12/15/22 Analyzed: 12/16/22 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.68* | | *8.00* | | *96.0* | *70-130* | | | |
| **LCS (2251075-BS2)** | | | | | | | | | Prepared: 12/15/22 Analyzed: 12/16/22 |
| Gasoline Range Organics (C6-C10) | 53.3 | 20.0 | 50.0 | | 107 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.67* | | *8.00* | | *95.8* | *70-130* | | | |
| **Matrix Spike (2251075-MS2)** | | | | **Source: E212092-05** | | | | | Prepared: 12/15/22 Analyzed: 12/16/22 |
| Gasoline Range Organics (C6-C10) | 221 | 40.0 | 100 | 87.3 | 134 | 70-130 | | | M1 |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *16.1* | | *16.0* | | *100* | *70-130* | | | |
| **Matrix Spike Dup (2251075-MSD2)** | | | | **Source: E212092-05** | | | | | Prepared: 12/15/22 Analyzed: 12/16/22 |
| Gasoline Range Organics (C6-C10) | 217 | 40.0 | 100 | 87.3 | 130 | 70-130 | 1.68 | 20 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *16.6* | | *16.0* | | *104* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2251082-BLK1)** | | | | | | | | | Prepared: 12/16/22 Analyzed: 12/17/22 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.92* | | *8.00* | | *98.9* | *70-130* | | | |
| **LCS (2251082-BS2)** | | | | | | | | | Prepared: 12/16/22 Analyzed: 12/17/22 |
| Gasoline Range Organics (C6-C10) | 51.5 | 20.0 | 50.0 | | 103 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *8.06* | | *8.00* | | *101* | *70-130* | | | |
| **Matrix Spike (2251082-MS2)** | | | | **Source: E212092-22** | | | | | Prepared: 12/16/22 Analyzed: 12/17/22 |
| Gasoline Range Organics (C6-C10) | 55.0 | 20.0 | 50.0 | ND | 110 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.93* | | *8.00* | | *99.1* | *70-130* | | | |
| **Matrix Spike Dup (2251082-MSD2)** | | | | **Source: E212092-22** | | | | | Prepared: 12/16/22 Analyzed: 12/17/22 |
| Gasoline Range Organics (C6-C10) | 52.9 | 20.0 | 50.0 | ND | 106 | 70-130 | 3.89 | 20 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.91* | | *8.00* | | *98.8* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2251079-BLK1)** | | | | | | | | | Prepared: 12/16/22 Analyzed: 12/16/22 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| *Surrogate: n-Nonane* | *52.1* | | *50.0* | | *104* | *50-200* | | | |
| **LCS (2251079-BS1)** | | | | | | | | | Prepared: 12/16/22 Analyzed: 12/16/22 |
| Diesel Range Organics (C10-C28) | 249 | 25.0 | 250 | | 99.7 | 38-132 | | | |
| *Surrogate: n-Nonane* | *49.1* | | *50.0* | | *98.3* | *50-200* | | | |
| **Matrix Spike (2251079-MS1)** | | | | **Source: E212092-08** | | | | | Prepared: 12/16/22 Analyzed: 12/16/22 |
| Diesel Range Organics (C10-C28) | 9450 | 500 | 250 | 8540 | 367 | 38-132 | | | M4 |
| *Surrogate: n-Nonane* | *140* | | *50.0* | | *281* | *50-200* | | | *S5* |
| **Matrix Spike Dup (2251079-MSD1)** | | | | **Source: E212092-08** | | | | | Prepared: 12/16/22 Analyzed: 12/16/22 |
| Diesel Range Organics (C10-C28) | 10800 | 500 | 250 | 8540 | 894 | 38-132 | 13.0 | 20 | M4 |
| *Surrogate: n-Nonane* | *177* | | *50.0* | | *355* | *50-200* | | | *S5* |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2251080-BLK1)** | | | | | | | | | Prepared: 12/16/22 Analyzed: 12/16/22 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| *Surrogate: n-Nonane* | *55.2* | | *50.0* | | *110* | *50-200* | | | |
| **LCS (2251080-BS1)** | | | | | | | | | Prepared: 12/16/22 Analyzed: 12/16/22 |
| Diesel Range Organics (C10-C28) | 215 | 25.0 | 250 | | 86.1 | 38-132 | | | |
| *Surrogate: n-Nonane* | *46.6* | | *50.0* | | *93.2* | *50-200* | | | |
| **Matrix Spike (2251080-MS1)** | | | | **Source: E212095-04** | | | | | Prepared: 12/16/22 Analyzed: 12/16/22 |
| Diesel Range Organics (C10-C28) | 234 | 25.0 | 250 | ND | 93.6 | 38-132 | | | |
| *Surrogate: n-Nonane* | *44.6* | | *50.0* | | *89.2* | *50-200* | | | |
| **Matrix Spike Dup (2251080-MSD1)** | | | | **Source: E212095-04** | | | | | Prepared: 12/16/22 Analyzed: 12/16/22 |
| Diesel Range Organics (C10-C28) | 241 | 25.0 | 250 | ND | 96.2 | 38-132 | 2.78 | 20 | |
| *Surrogate: n-Nonane* | *49.0* | | *50.0* | | *98.0* | *50-200* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## Anions by EPA 300.0/9056A

Analyst: RAS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2251088-BLK1)** | | | | | | | | | Prepared: 12/16/22 Analyzed: 12/17/22 |
| Chloride | ND | 20.0 | | | | | | | |
| **LCS (2251088-BS1)** | | | | | | | | | Prepared: 12/16/22 Analyzed: 12/17/22 |
| Chloride | 242 | 20.0 | 250 | | 96.8 | 90-110 | | | |
| **Matrix Spike (2251088-MS1)** | | | | **Source: E212092-01** | | | | | Prepared: 12/16/22 Analyzed: 12/17/22 |
| Chloride | 257 | 20.0 | 250 | ND | 103 | 80-120 | | | |
| **Matrix Spike Dup (2251088-MSD1)** | | | | **Source: E212092-01** | | | | | Prepared: 12/16/22 Analyzed: 12/17/22 |
| Chloride | 259 | 20.0 | 250 | ND | 103 | 80-120 | 0.662 | 20 | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | **Reported:** |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/2022 8:58:15AM |

## Anions by EPA 300.0/9056A

Analyst: RAS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2251089-BLK1)** | | | | | | | | | Prepared: 12/19/22 Analyzed: 12/19/22 |
| Chloride | ND | 20.0 | | | | | | | |
| **LCS (2251089-BS1)** | | | | | | | | | Prepared: 12/19/22 Analyzed: 12/19/22 |
| Chloride | 260 | 20.0 | 250 | | 104 | 90-110 | | | |
| **Matrix Spike (2251089-MS1)** | | | | **Source: E212092-21** | | | | | Prepared: 12/19/22 Analyzed: 12/19/22 |
| Chloride | 261 | 20.0 | 250 | ND | 104 | 80-120 | | | |
| **Matrix Spike Dup (2251089-MSD1)** | | | | **Source: E212092-21** | | | | | Prepared: 12/19/22 Analyzed: 12/20/22 |
| Chloride | 259 | 20.0 | 250 | ND | 104 | 80-120 | 0.511 | 20 | |

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

# Definitions and Notes

| | | | |
|---|---|---|---|
| Carmona Resources | Project Name: | Patrick API Battery | |
| 310 West Wall St. Suite 415 | Project Number: | 22113-0001 | **Reported:** |
| Midland TX, 79701 | Project Manager: | Conner Moehring | 12/21/22 08:58 |

| | |
|---|---|
| M1 | Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable. |
| M4 | Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable. |
| S5 | Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| DNI | Did Not Ignite |

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

# Chain of Custody

Work Order No: E212092
Job # 22113-0001



| | | | |
|---|---|---|---|
| Project Manager: | Conner Moehring | Bill to: (if different) | Mark Ritchie |
| Company Name: | Carmona Resources | Company Name: | |
| Address: | 310 W Wall St Ste 415 | Address: | |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | |
| Phone: | (432) 813-6823 | Email: | mritchie@silverbackexp.com |

**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: | Patrick API Battery | Turn Around | |
| Project Number: | 1130 | ☑ Routine ☐ Rush | |
| Project Location | Eddy County, New Mexico | Due Date: | |
| Sampler's Name: | CM | | |
| 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: 4 | |
| Total Containers: | | Corrected Temperature: | |

**Preservative Codes**

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

| Sample Identification | Date | Time | Soil | Water | Grab/ Comp | # of Cont | Parameters: BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 300.0 | | | | | | | | | | | | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BH-1 (0-1') | 12/7/2022 | | X | | G | 1 | X | X | X | | | | | | | | | | | 1 | |
| BH-1 (2-3') | 12/7/2022 | | X | | G | 1 | X | X | X | | | | | | | | | | | 2 | |
| BH-1 (4-5') | 12/7/2022 | | X | | G | 1 | X | X | X | | | | | | | | | | | 3 | |
| BH-1 (6-7') | 12/7/2022 | | X | | G | 1 | X | X | X | | | | | | | | | | | 4 | |
| BH-2 (0-1') | 12/7/2022 | | X | | G | 1 | X | X | X | | | | | | | | | | | 5 | |
| BH-2 (2-3') | 12/7/2022 | | X | | G | 1 | X | X | X | | | | | | | | | | | 6 | |
| BH-2 (4-5') | 12/7/2022 | | X | | G | 1 | X | X | X | | | | | | | | | | | 7 | |
| BH-2 (6-7') | 12/7/2022 | | X | | G | 1 | X | X | X | | | | | | | | | | | 8 | |
| BH-2 (8-9') | 12/7/2022 | | X | | G | 1 | X | X | X | | | | | | | | | | | 9 | |
| BH-2 (10') | 12/7/2022 | | X | | G | 1 | X | X | X | | | | | | | | | | | 10 | |

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

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|---|---|---|---|
| Conner Moehring | 12/13/22 | | 12.13.22 |
| | 12.14.22 | | |
| | | | |

# Chain of Custody

Work Order No: E212092
Job # 22113-0001



| | | | |
|---|---|---|---|
| Project Manager: | Conner Moehring | Bill to: (if different) | Mark Ritchie |
| Company Name: | Carmona Resources | Company Name: | |
| Address: | 310 W Wall St Ste 415 | Address: | |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | |
| Phone: | (432) 813-6823 | Email: | mritchie@silverbackexp.com |

**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: | Patrick API Battery | Turn Around | |
| Project Number: | 1130 | ☑ Routine ☐ Rush | |
| Project Location | Eddy County, New Mexico | Due Date: | |
| Sampler's Name: | CM | | |
| 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: 4 | |
| Total Containers: | | Corrected Temperature: | |

**ANALYSIS REQUEST**

Parameters: BTEX 8021B; TPH 8015M ( GRO + DRO + MRO); Chloride 300.0

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; 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 | BTEX 8021B | TPH 8015M ( GRO + DRO + MRO) | Chloride 300.0 | | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BH-2 (12-13') | 12/7/2022 | | X | | G | 1 | X | X | X | 11 | |
| BH-2 (14-15') | 12/7/2022 | | X | | G | 1 | X | X | X | 12 | |
| BH-2 (20') | 12/7/2022 | | X | | G | 1 | X | X | X | 13 | |
| BH-3 (0-1') | 12/7/2022 | | X | | G | 1 | X | X | X | 14 | |
| BH-3 (2-3') | 12/7/2022 | | X | | G | 1 | X | X | X | 15 | |
| BH-3 (4-5') | 12/7/2022 | | X | | G | 1 | X | X | X | 16 | |
| BH-3 (6-7') | 12/7/2022 | | X | | G | 1 | X | X | X | 17 | |
| BH-3 (8-9') | 12/7/2022 | | X | | G | 1 | X | X | X | 18 | |
| BH-3 (10') | 12/7/2022 | | X | | G | 1 | X | X | X | 19 | |
| BH-3 (12-13') | 12/7/2022 | | X | | G | 1 | X | X | X | 20 | |

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

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|---|---|---|---|
| | 12/13/22 | | 12.13.22 |
| | 12.14.22 | | |
| | | | |

# Chain of Custody

Work Order No: E212092
JOO # 22113-0001



| | | | |
|---|---|---|---|
| Project Manager: | Conner Moehring | Bill to: (if different) | Mark Ritchie |
| Company Name: | Carmona Resources | Company Name: | |
| Address: | 310 W Wall St Ste 415 | Address: | |
| City, State ZIP: | Midland, TX 79701 | City, State ZIP: | |
| Phone: | (432) 813-6823 | Email: | mritchie@silverbackexp.com |

**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: | Patrick API Battery | Turn Around | |
| Project Number: | 1130 | ☑ Routine ☐ Rush | |
| Project Location | Eddy County, New Mexico | Due Date: | |
| Sampler's Name: | CM | | |
| 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: 4 | |
| Total Containers: | | Corrected Temperature: | |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BH-3 (14-15') | 12/7/2022 | | X | | G | 1 | | X | X | X | | | | | | | | | | | | | 21 | |
| BH-3 (20') | 12/7/2022 | | X | | G | 1 | | X | X | X | | | | | | | | | | | | | 22 | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
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Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|---|---|---|---|
| | | | 12.13.22 |
| | 12.18.22 | | |
| | | | |

# Envirotech Analytical Laboratory

Printed: 12/15/2022 2:57:00PM

## Sample Receipt Checklist (SRC)

**Instructions: Please take note of any NO checkmarks.**
**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

| | | | | | |
|---|---|---|---|---|---|
| Client: | Carmona Resources | Date Received: | 12/15/22 10:30 | Work Order ID: | E212092 |
| Phone: | (432) 813-6823 | Date Logged In: | 12/15/22 11:09 | Logged In By: | Caitlin Christian |
| Email: | cmoehring@carmonaresouces.com | Due Date: | 12/21/22 17:00 (4 day TAT) | | |

**Chain of Custody (COC)**

| | | |
|---|---|---|
| 1. Does the sample ID match the COC? | Yes | |
| 2. Does the number of samples per sampling site location match the COC | Yes | |
| 3. Were samples dropped off by client or carrier? | Yes | Carrier: UPS |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | No | |
| 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion. | Yes | |

**Sample Turn Around Time (TAT)**

| | | |
|---|---|---|
| 6. Did the COC indicate standard TAT, or Expedited TAT? | Yes | |

**Sample Cooler**

| | | |
|---|---|---|
| 7. Was a sample cooler received? | Yes | |
| 8. If yes, was cooler received in good condition? | Yes | |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes | |
| 10. Were custody/security seals present? | No | |
| 11. If yes, were custody/security seals intact? | NA | |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling | Yes | |
| 13. If no visible ice, record the temperature. Actual sample temperature: 4°C | | |

**Sample Container**

| | | |
|---|---|---|
| 14. Are aqueous VOC samples present? | No | |
| 15. Are VOC samples collected in VOA Vials? | NA | |
| 16. Is the head space less than 6-8 mm (pea sized or less)? | NA | |
| 17. Was a trip blank (TB) included for VOC analyses? | NA | |
| 18. Are non-VOC samples collected in the correct containers? | Yes | |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes | |

**Field Label**

| | | |
|---|---|---|
| 20. Were field sample labels filled out with the minimum information: | | |
| Sample ID? | Yes | |
| Date/Time Collected? | Yes | |
| Collectors name? | No | |

**Sample Preservation**

| | | |
|---|---|---|
| 21. Does the COC or field labels indicate the samples were preserved? | No | |
| 22. Are sample(s) correctly preserved? | NA | |
| 24. Is lab filteration required and/or requested for dissolved metals? | No | |

**Multiphase Sample Matrix**

| | | |
|---|---|---|
| 26. Does the sample have more than one phase, i.e., multiphase? | No | |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? | NA | |

**Subcontract Laboratory**

| | | |
|---|---|---|
| 28. Are samples required to get sent to a subcontract laboratory? | No | |
| 29. Was a subcontract laboratory specified by the client and if so who? | NA | Subcontract Lab: na |

**Comments/Resolution**

Time sampled not provided on COC by client.

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

**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>Silverback Operating II, LLC<br>19707 IH10 West, Suite 201<br>San Antonio, TX 78256 | OGRID:<br>330968 |
| | Action Number:<br>281533 |
| | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| scott.rodgers | The Remediation Plan is Conditionally Approved. The variance request to collect samples every 400 square feet is approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The work will need to occur in 90 days after the work plan has been reviewed. | 2/28/2024 |