CARMONA RESOURCES

SITE INFORMATION

Revised Work Plan
Hawkins GY #4
Incident # NAPP2222242315
Eddy County, New Mexico
Unit C Sec 27 T18S R26E
32.723386°, -104.373070°

Fluid Release
Point of Release: Wellbore
Release Date: 08.10.22
Volume Released: >25 barrels of Fluid
Volume Recovered: 18,035.5 barrels of Fluid

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 415
Midland, Texas 79701

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

CARMONA RESOURCES

TABLE OF CONTENTS

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

CARMONA RESOURCES

September 3, 2024

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

Re: Revised Work Plan
Hawkins GY #4
Silverback Operating II, LLC
Incident # NAPP2222242315
Site Location: Unit C, S27, T18S, R26E
(Lat 32.723386°, Long -104.373070°)
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 Hawkins GY #4. The site is located at 32.723386°, -104.373070º within Unit C, S27, T20S, R27E, 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 10, 2022, after an offset completion communicated with a PA'd wellbore of the Hawkins GY #4 during pumping operations. It resulted in the release of more than twenty-five (25) barrels of fluid where the actual release volume is unknown, and approximately eighteen thousand and thirty-five point 5 (18,035.5) barrels were recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

On May 3rd, 2024, Silverback Operating and Carmona Resources met with the NMOCD Mike Bratcher & Robert Hamlet to discuss the Groundwater data from the Temporary Groundwater monitoring bore that was drilled on December 6, 2023. Groundwater was found to be at 75' below the surface. After looking at the data, the NMOCD determined that groundwater was not impacted from the release. A verbal approval was given, and email correspondence can be found in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, two known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.12 miles North of the site in S27, T18S, R26E and was drilled in 1977. The well has a reported depth to groundwater of 85' below ground surface (ft

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

bgs). The second identified well is located approximately 0.30 miles North of the site in S27, T18, R36E and was drilled in 1909. The well has a reported depth to groundwater of 79.54' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

On December 6, 2023 Carmona Resources oversaw the installation of a temporary groundwater determination bore. The bore is located approximately 0.02 miles southwest of the site in S27, T18S, R26E,. The temporary groundwater determination bore was properly sampled and the results from the sampling event can be found in Appendix A.

Hydrological Unit

The hydrological unit of the site is in drains into the Pecos River near Dayton, New Mexico, and is part of the Upper Pecos River Hydrologic Unit. This hydrologic unit covers an area of approximately 3,670 square miles and is in northeastern New Mexico. The Upper Pecos River Hydrologic Unit is a larger Pecos River Basin sub-basin. The Pecos River originates in northern New Mexico and flows into Texas, draining into the Rio Grande.

Underlying Major Aquifer

The major underlying aquifer of the site is the Roswell Basin Aquifer. The Roswell Basin Aquifer is a large underground water-bearing formation in southeastern New Mexico. The aquifer is part of the larger Pecos River Basin, which covers an area of approximately 44,000 square miles and extends into New Mexico and Texas. The Roswell Basin Aquifer covers an area of roughly 5,500 square miles and is estimated to contain about 25 million acre-feet of water. Groundwater recharge in the aquifer occurs primarily through precipitation in the surrounding mountains and infiltration from surface water sources, such as the Pecos River. A copy of the associated hydrological unit and aquifer map is attached in Appendix A.

Groundwater Gradient

Groundwater gradient maps were generated using well data from the USGS and the NMSEO. The data ranges from the years 1977 to 2020. The hydraulic gradient for the aquifer was generally to the Northeast (Figures 4 and 5).

3.0 NMAC Regulatory Criteria

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

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

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 eight (8) boreholes and six (6) horizontal samples were advanced to depths ranging from the surface to 40' 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.

As requested by the NMOCD Carmona Resources performed additional site activities and installed Bore Hole #9 to evaluate the soil impacts stemming from the release near the point of release. The bore hole was drilled on December 19, 2023. The bore advanced to a depth of 50' bgs inside the release area to evaluate the vertical extent. 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.

Vertical Delineation

Vertical delineation was achieved for the areas of BH-1 through BH-9 and was below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-6 were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

5.0 Proposed Work Plan

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

- The area of BH-2 will be excavated to a depth of 6'-7' below the surface and backfilled with clean material to grade.
- The areas of BH-3, BH-4, and BH-8 will be excavated to a depth of 10'-11' below the surface and backfilled with clean material to grade.
- The area of BH-5 and BH-6 will be excavated to a depth of 17' below the surface and capped with a 20-mil liner at 4' to prevent vertical migration of the more profound impacts. The site will be backfilled with clean material to grade.
- The area of BH-9 will be excavated to a depth of 25' below the surface and backfilled with clean material to grade.
- An estimated 17,445 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 500 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 area will be reseeded with the proper seed mixture as directed by the land owner. 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 Exploration will excavate the impacted soils to the maximum extent possible.

6.0 Conclusions

Upon completion, an addendum to the work plan will be written once the findings from the temporary monitoring well and the depth of the additional soil boring are captured. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

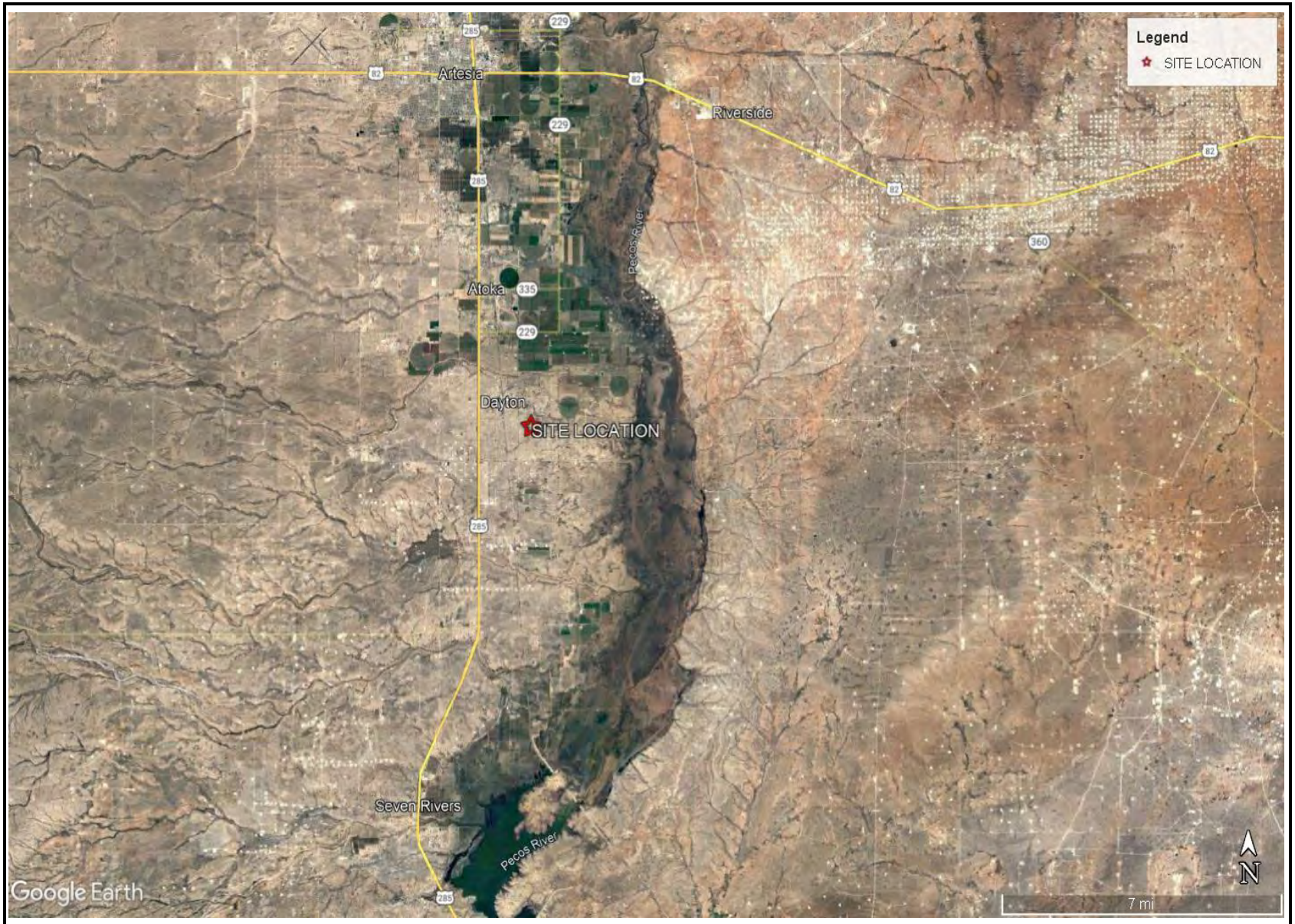
Sincerely,
Carmona Resources, LLC

Mike Carmona
Environmental Manager

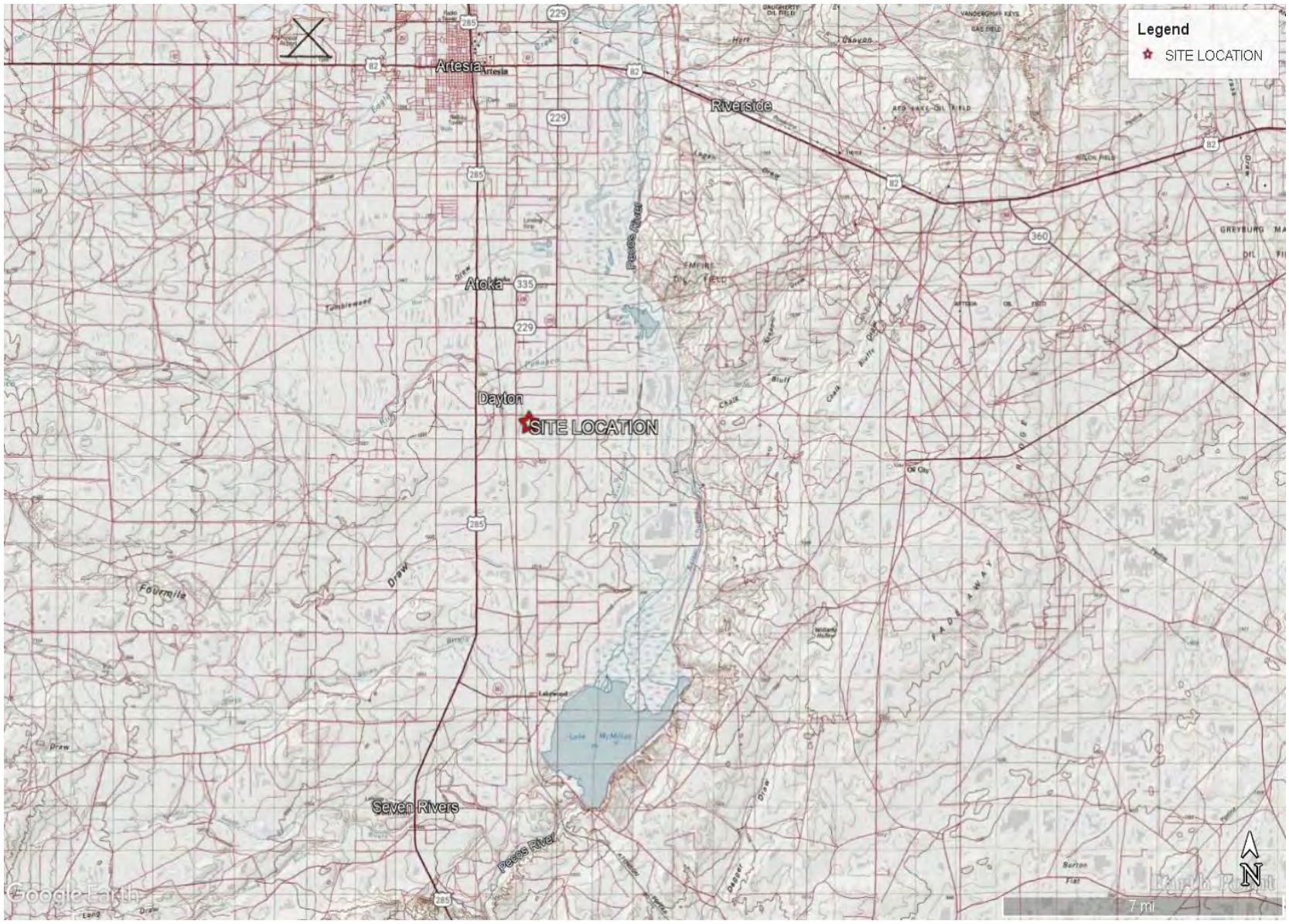
Conner Moehring
Sr. Project Manager

FIGURES

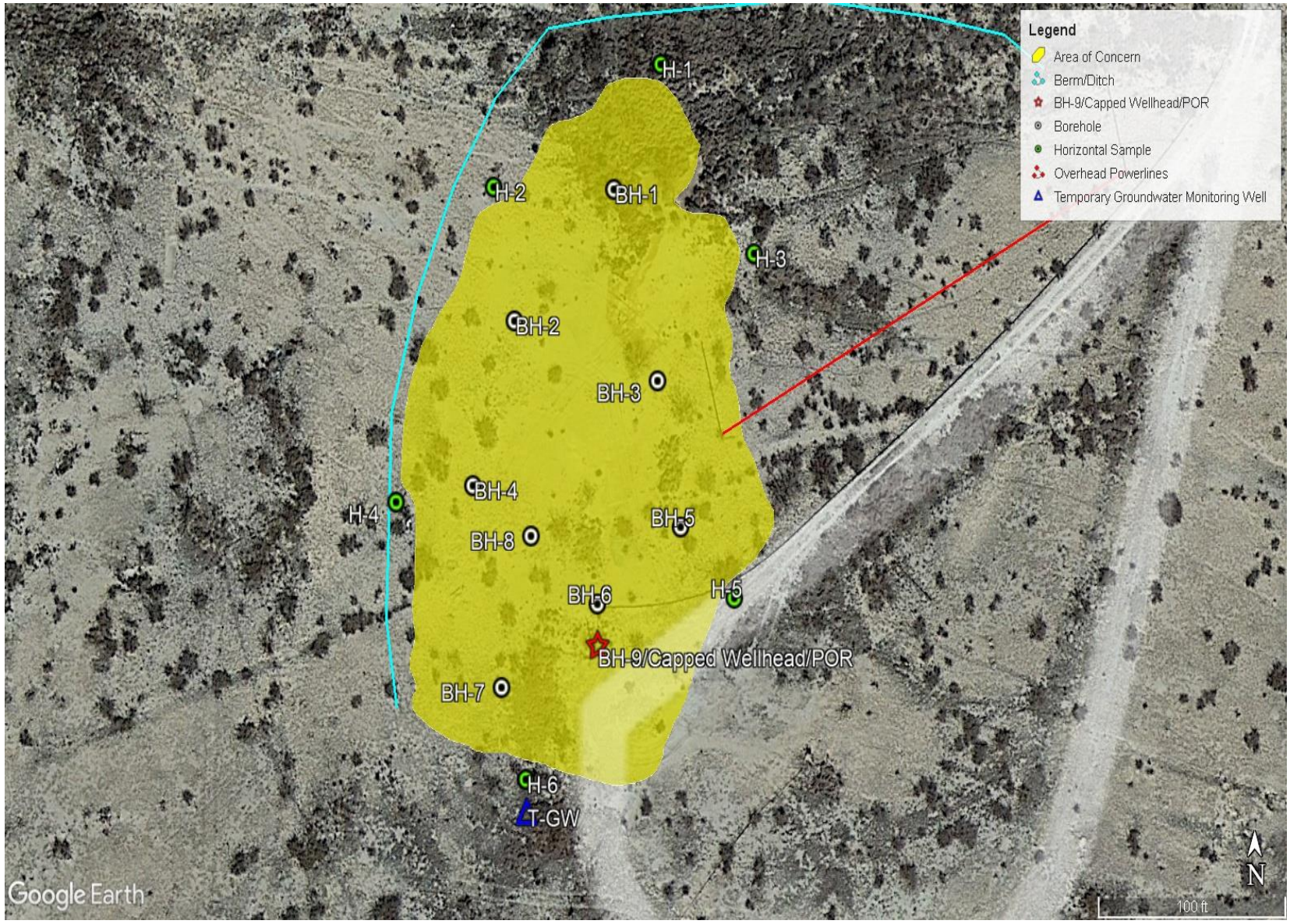
CARMONA RESOURCES



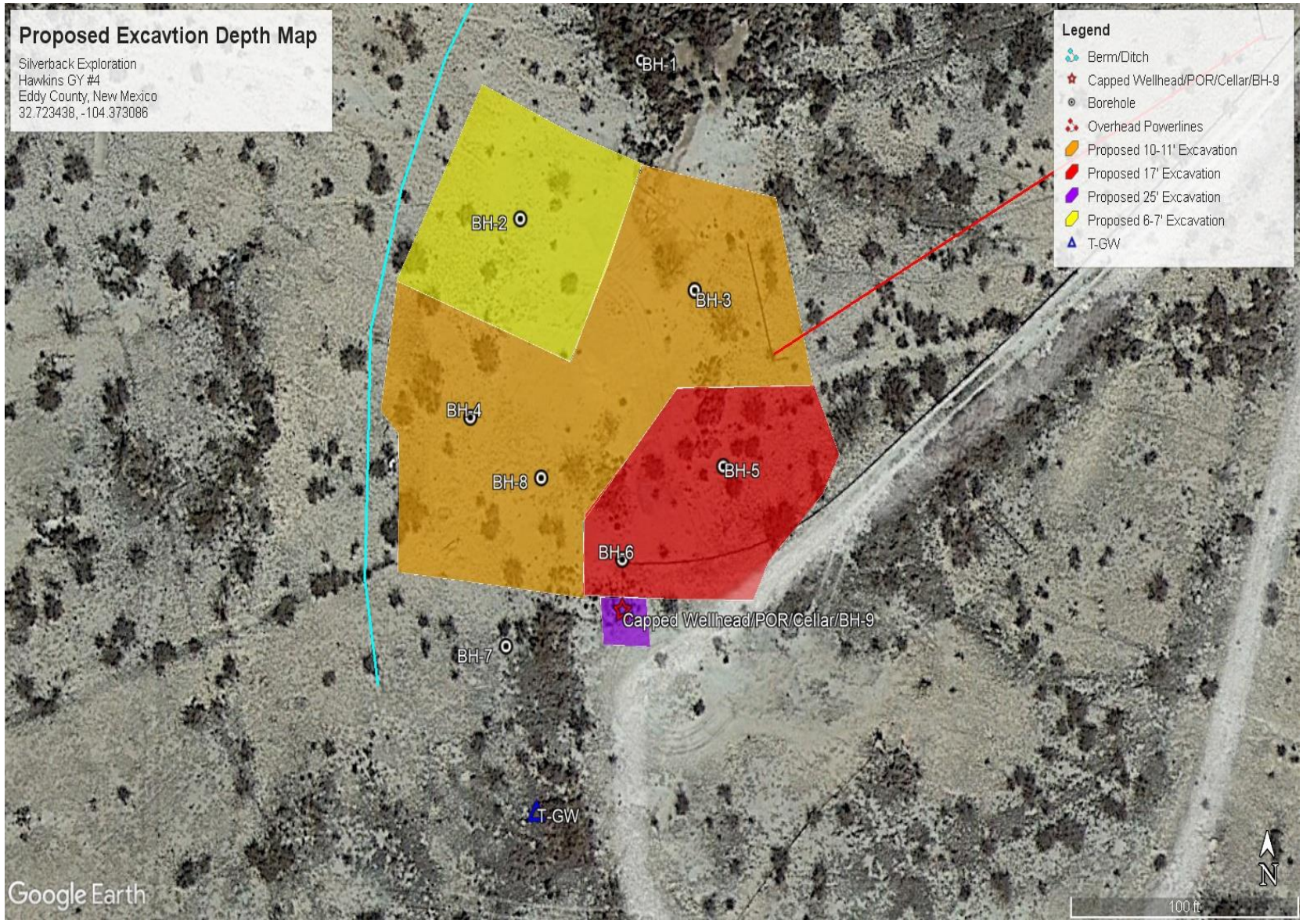
OVERVIEW MAP SILVERBACK EXPLORATION HAWKINS GY #4 EDDY COUNTY, NEW MEXICO 32.723438, -104.373086	CARMONA RESOURCES	FIGURE 1



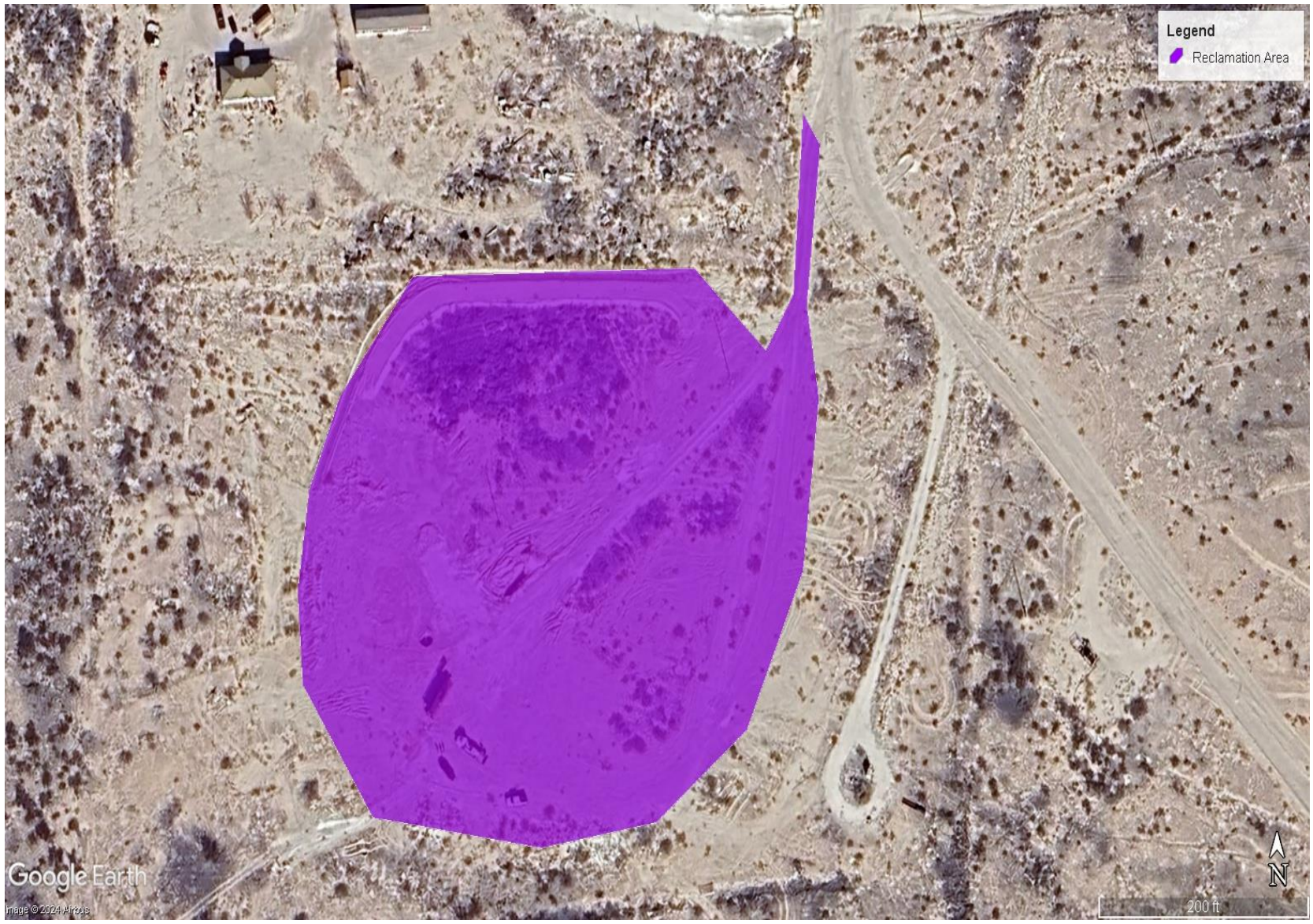
TOPOGRAPHIC MAP SILVERBACK EXPLORATION HAWKINS GY #4 EDDY COUNTY, NEW MEXICO 32.723438, -104.373086	CARMONA RESOURCES	FIGURE 2



PROPOSED EXCAVATION MAP SILVERBACK EXPLORATION HAWKINS GY #4 EDDY COUNTY, NEW MEXICO 32.723438, -104.373086	CARMONA RESOURCES	FIGURE 4



PROPOSED EXCAVATION MAP SILVERBACK EXPLORATION HAWKINS GY #4 EDDY COUNTY, NEW MEXICO 32.723438, -104.373086	CARMONA RESOURCES	FIGURE 4



RECLAMATION MAP SILVERBACK EXPLORATION HAWKINS GY #4 EDDY COUNTY, NEW MEXICO 32.723438, -104.373086	CARMONA RESOURCES	FIGURE 5

APPENDIX A

CARMONA RESOURCES

Table 1
Silverback Exploration
Hawkins GY #4
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						
BH-1	9/16/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	"	2-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BH-2	9/16/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	**709**
	"	2-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	513
	"	4-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	**862**
	"	6-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	219
	"	8-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	171
	"	10-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	531
BH-3	9/16/2022	0-1	ND	**115**	**319**	**434**	ND	ND	ND	ND	ND	**1,280**
	"	2-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	**20,900**
	"	4-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,580**
	"	6-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,570**
	"	8-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2,640**
	"	10-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	121
BH-4	9/16/2022	0-1	ND	**132**	ND	**132**	ND	ND	ND	ND	ND	**890**
	"	2-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	537
	"	4-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	427
	"	6-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	421
	"	8-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	**666**
	"	10-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	556
	"	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	438
	"	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	395
	"	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	378
	"	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	125
Regulatory Criteria [A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(BH) Bore Hole
Proposed Excavation

Table 1
Silverback Exploration
Hawkins GY #4
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						
BH-5	9/16/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,110**
	"	2-3	ND	**109**	**60.4**	**169**	ND	0.0265	0.032	0.0275	0.086	**4,860**
	"	4-5	ND	**104**	ND	**104**	0.045	0.145	0.157	0.096	0.443	**2,820**
	"	6-7	ND	**83.5**	**92.6**	**176**	ND	ND	ND	ND	ND	**3,520**
	"	8-9	ND	44.4	ND	44.4	ND	ND	ND	ND	ND	**2,950**
	"	10-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5,690**
	"	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2,210**
	"	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,310**
	"	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,930**
	"	30	ND	ND	ND	ND	ND	ND		ND	ND	358
	"	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,370**
	"	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	372
BH-6	9/16/2022	0-1	ND	**139**	**67.1**	**206**	ND	ND	ND	ND	ND	**1,080**
	"	2-3	ND	**113**	ND	**113**	ND	ND	ND	ND	ND	**2,020**
	"	4-5	ND	97.4	ND	97.4	ND	ND	ND	ND	ND	**2,410**
	"	6-7	ND	**102**	ND	**102**	ND	ND	0.0285	ND	0.0285	**2,300**
	"	8-9	ND	ND	ND	ND	ND	0.0405	0.055	0.045	0.1405	**2,150**
	"	10-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,590**
	"	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	577
	"	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	**605**
	"	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,100**
	"	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	**610**
	"	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	298
	"	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	297
BH-7	9/16/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	499
	"	2-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	160
	"	4-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	413
	"	6-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	327
	"	8-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	488
	"	10-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	502
BH-8	9/16/2022	0-1	ND	ND	ND	ND	ND	0.025	0.035	ND	0.06	**1,080**
	"	2-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2,700**
	"	4-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3,930**
	"	6-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2,300**
	"	8-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,410**
	"	10-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	422
BH-9	12/19/23	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2,380**
	"	2-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2,980**
	"	4-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3,340**
	"	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3,170**
	"	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,530**
	"	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	**850**
	"	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	471
	"	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	566
	"	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	192
	"	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	154
Regulatory Criteria [A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(BH) Bore Hole
Proposed Excavation
Proposed Liner Instillation

Table 1
Silverback Exploration
Hawkins GY #4
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	ND
H-3	9/16/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-4	9/16/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	168
H-5	9/16/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	193
H-6	9/16/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	373
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**600 mg/kg**

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

Table 1
Silverback Exploration
Hawkins GY #4
Eddy County, New Mexico

Sample ID	Date	TPH (mg/kg)				Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	Total BTEX (mg/L)	Chloride (mg/L)	Total Dissolved Solids (mg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)
		GRO	DRO	MRO	Total									
T-GW	12/20/2023	<4.66	<4.66	<4.66	<4.66	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	94.2	1,190	0.745	530
Regulatory Criteria [A]					**-**	**0.005 mg/L**	**1.0 mg/L**	**-**	**-**	**-**	**250 mg/L**	**1,000 mg/L**	**10.0 mg/L**	**600 mg/L**

Other Constituents Tested

Sample ID	Date	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	SiO2 (mg/L)	Sodium (mg/L)	Fluoride (mg/L)	Anion/Cation Balance (%)	Alkalinity (mg/L)	Bicarbonate Alkalinity as CaCO3 (mg/L)	Carbonate Alkalinity as CaCO3 (mg/L)	Hydroxide Alkalinity (mg/L)	Phenolphthalein Alkalinity (mg/L)	Specific Conductance (umho/cm @ 25°C)
T-GW	12/20/2023	215	51.1	2.18	44.9	29.3	0.744	-6.92	170	170	<4.00	<4.00	<4.00	1,510
Regulatory Criteria [A]														

(-) Not Analyzed

[A] – Table 1 - 20.6.2 NMAC

mg/L - milligram per liter

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Silverback Operating II, LLC

Photograph No. 1

Facility: Hawkins GY #4

County: Eddy County, New Mexico

Description:
View North, area of the capped wellhead and POR.

Photograph No. 2

Facility: Hawkins GY #4

County: Eddy County, New Mexico

Description:
View North, areas of Boreholes (1-6 and 8).

Photograph No. 3

Facility: Hawkins GY #4

County: Eddy County, New Mexico

Description:
View Southwest, area of Borehole (7).

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Silverback Operating II, LLC

Photograph No. 4

Facility: Hawkins GY #4

County: Eddy County, New Mexico

Description:
View Northwest, area of Borehole 9

Photograph No. 5

Facility: Hawkins GY #4

County: Eddy County, New Mexico

Description:
View North, area of the temporary groundwater monitoring bore.

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	nAPP2222242315
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Silverback Operating II, LLC	OGRID 330968
Contact Name Mark Ritchie	Contact Telephone 210-874-2406
Contact email mritchie@silverbackexp.com	Incident # *(assigned by OCD)* nAPP2222242315
Contact mailing address 108 S. 4th st Artesia, NM 88211	

Location of Release Source

Latitude 32.723386 Longitude -104.373070
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Hawkins GY #4	Site Type PA Well
Date Release Discovered 08/10/2022	API# *(if applicable)* 30015002520002

Unit Letter	Section	Township	Range	County
C	27	18	26	Eddy

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

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)	Volume Recovered (bbls)
☐ 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) 18,035.5 bbls

Cause of Release: Offset completion communicated with PA'd wellbore of the Hawkins GY #4 during pumping operations. Resulting pressure and fluid entered Hawkins wellbore through previously unknown holes in 5-1/2" csg and traveled to surface where the marker could not retain the pressure and was relocated off of the top of the casing.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2222242315
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? >25 bbls and actual release volume is unknown.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes. Phone call was placed to Mike Bratcher durring initial discovery of incident.	

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: 09/02/2022

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

OCD Only

Received by: Date:

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: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Conner Moehring

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Tuesday, August 27, 2024 9:17 AM
To: Conner Moehring; Bratcher, Michael, EMNRD
Cc: Mike Carmona; Devin Dominguez; Clint Merritt
Subject: RE: [EXTERNAL] Silverback - Hawkins GY #4 - nAPP2222242315 (HIGH PRIORITY)

Follow Up Flag: Follow up
Flag Status: Flagged

Conner,

We did give Silverback/Carmona verbal approval to proceed with the soil remediation work, but we still need a Remediation/Workplan Report uploaded to the OCD Permitting Portal including everything that was agreed to in the meeting, so it we can verified and approved. Everything has to go through the OCD Portal, so all of reports and dates are recorded/filed to make sure the operator is compliant with all deadlines. Please, submit the updated report to the OCD Portal. Send me an email after you have uploaded it and I will move it to the front of the line.

Regards,

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Tuesday, August 27, 2024 7:31 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: RE: [EXTERNAL] Silverback - Hawkins GY #4 - nAPP2222242315 (HIGH PRIORITY)

Good Morning,

I'm checking the status of the work plan approval or review. Silverback and Carmona Resources met with the NMOCD via teams on May 3rd, 2024. NMOCD verbally approved and agreed that no additional groundwater work was needed, and we were good to proceed with the soil remediation. However, we have yet to see anything regarding the approval on the NMOCD website with the written and documented approval.

Conner R. Moehring

310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-6823
cmoehring@carmonaresources.com

From: Conner Moehring
Sent: Tuesday, August 6, 2024 9:16 AM
To: 'Hamlet, Robert, EMNRD' <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: RE: [EXTERNAL] Silverback - Hawkins GY #4 - nAPP2222242315 (HIGH PRIORITY)

Robert,

Please see the attached PDF with the summary of what was discussed via Teams with Silberback and Carmona Resources regarding the Silberback Hawking GY #4.

Silverback is ready to move on the project once they have written approval from the NMOCD.

Conner R. Moehring
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-6823
cmoehring@carmonaresources.com

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Tuesday, June 25, 2024 8:36 AM
To: Conner Moehring <Cmoehring@carmonaresources.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: RE: [EXTERNAL] Silverback - Hawkins GY #4 - nAPP2222242315 (HIGH PRIORITY)

Conner,

We can include a comment in the Incident Events section of the Incident page. Also, include any communications between yourself and the OCD regarding this discussion in the Remediation Closure Report. Thanks

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Tuesday, June 25, 2024 7:21 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: RE: [EXTERNAL] Silverback - Hawkins GY #4 - nAPP2222242315 (HIGH PRIORITY)

Good Morning,

We met last month on the 3rd to discuss this project. Over the team call, the NMOCD approved and agreed that no additional groundwater work was needed, and we were good to proceed with the soil remediation. However, we have yet to see anything regarding the approval on the NMOCD website with the written and documented approval.

Please call if you have any questions.

Conner R. Moehring
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-6823
cmoehring@carmonaresources.com

From: Conner Moehring
Sent: Wednesday, May 1, 2024 10:32 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Mark Ritchie <mritchie@silverbackexp.com>; Fernando Rodriguez <frodriguez@silverbackexp.com>; Greg Miller <gmiller@silverbackexp.com>; Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: RE: [EXTERNAL] Silverback - Hawkins GY #4 - nAPP2222242315 (HIGH PRIORITY)

Mr. Bratcher,

We understand we are available next week in the afternoon to review this project. Would Wednesday 2:30 pm work for y'all?

Conner R. Moehring
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-6823
cmoehring@carmonaresources.com

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Sent: Tuesday, April 30, 2024 10:54 AM
To: Conner Moehring <Cmoehring@carmonaresources.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Mark Ritchie <mritchie@silverbackexp.com>; Fernando Rodriguez <frodriguez@silverbackexp.com>; Greg Miller <gmiller@silverbackexp.com>; Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: RE: [EXTERNAL] Silverback - Hawkins GY #4 - nAPP2222242315 (HIGH PRIORITY)

Conner,

You have not heard from us because we are seriously outnumbered, but you are up. We can meet in the morning (Wed 5/1) or have some afternoon time available next week. Let me know what works best for you guys.

Mark – I believe the well being fracd was either 015-49493 or 49494. Looks like the lateral for 49494 goes directly under the Hawkins well.

Thanks,

Mike Bratcher ● Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Tuesday, April 30, 2024 8:03 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Mark Ritchie <mritchie@silverbackexp.com>; Fernando Rodriguez <frodriguez@silverbackexp.com>; Greg Miller <gmiller@silverbackexp.com>; Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: [EXTERNAL] Silverback - Hawkins GY #4 - nAPP2222242315 (HIGH PRIORITY)

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

Good Morning,

Please see the attached lab analytics from the groundwater sampling event and map the location of the temporary groundwater monitoring bore. We have reached out multiple times and have heard no response.

When would you be free to discuss the data and the next steps.

Please call if you have any questions or comments.

Conner R. Moehring
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-6823
cmoehring@carmonaresources.com

Silverback – Hawkins GY #4 - nAPP2222242315

Summary of a conversation between NMOCD representatives Mike Bratcher and Robert Hamlet with Silverback and Carmona Resources on May 3rd, 2024, conducted via Microsoft Teams at 2:30 p.m. (MT):

The meeting focused on the next steps at Hawkins GY #4. Key points discussed include:

1. Groundwater data from a temporary monitoring bore was reviewed and discussed during the meeting, which Mike Bratcher confirmed showed no impact from the release.
2. Verbal approval of the remediation plan was granted. Silverback now awaits written approval of the work plan and confirmation that groundwater remains unaffected.

Upon receiving these approvals, Silverback plans to proceed with plugging the temporary monitoring bore, followed by commencing soil excavation.

From: Hamlet, Robert, EMNRD
Sent: Tuesday, February 28, 2023 10:46 AM
To: Mike Carmona
Cc: mritchie@silverbackexp.com; Conner Moehring; Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 153579

Mike,

The OCD is in agreement with the next steps forward on the Hawkins GY #4 remediation project. We would like to see a hydrogeological model of what Silverback believes took place during the completion. This includes any pressure data recorded during the frack stage that involved the loss of fluids.

As far as the Temporary monitoring well, the analytical data will need to be evaluated before any decisions are made.

Regards,

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Mike Carmona <Mcarmona@carmonaresources.com>
Sent: Tuesday, February 28, 2023 8:58 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: mritchie@silverbackexp.com; Conner Moehring <Cmoehring@carmonaresources.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 153579

Good Morning,

I wanted to clarify from our meeting discussing the Hawkins GY #4 and the next steps. See bullet points below.

- Amend work plan to include Drilling a Temporary Monitoring Well South of release near H-6?

- Drill in the heart of the release and define?
- Silverback will file for the W-07 permit once the work plan is approved.

If the Temporary monitoring well shows no impact how long do we need to monitor that well? If the site is contaminated we will then generate a plan to drill more monitoring wells up and down gradient.

Mike J. Carmona
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com

CARMONA RESOURCES

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Tuesday, February 14, 2023 10:48:44 AM
To: Mike Carmona <Mcarmona@carmonaresources.com>
Cc: mritchie@silverbackexp.com <mritchie@silverbackexp.com>; Conner Moehring <Cmoehring@carmonaresources.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 153579

Mike,

Maybe try and set up a Teams or Zoom meeting for 1:30-2:30 p.m. Mountain time for Thursday February 16th. Send an invite to the CC'd OCD Environmental Specialists. Thanks

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Mike Carmona <Mcarmona@carmonaresources.com>
Sent: Monday, February 13, 2023 2:15 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: mritchie@silverbackexp.com; Conner Moehring <Cmoehring@carmonaresources.com>
Subject: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 153579

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

Mr. Hamlet,

I would like to set up a call/teams meeting to discuss the Silverback-Hawkins GY #4 Well site and the path forward. When would be a good time to set up a meeting?

Mike J. Carmona
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com

CARMONA RESOURCES

From: Mark Ritchie
Sent: Friday, February 10, 2023 12:29 PM
To: Mike Carmona; Conner Moehring
Subject: FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 153579

Gentlemen, please be advised that the OCD has rejected our remediation plan. Lets circle up at your earliest convenience to discuss implications and go-forward.

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, February 10, 2023 11:21 AM
To: Mark Ritchie <mritchie@silverbackexp.com>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 153579

To whom it may concern (c/o Mark Ritchie for Silverback Operating II, LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2222242315,
for the following reasons:

- **The Remediation Plan is Denied. The OCD believes additional investigation needs to be completed adjacent to the Hawkins GY #4 well. Additional surveillance boreholes need to be**

put in to investigate lost subsurface fluids that communicated with the Hawkins GY #4 during the completion of the adjacent well. A thorough investigation will need to be conducted in close proximity of the Hawkins GY #4 well in an attempt to trace the path of fluids from the offset completion to the Hawkins GY #4 well. Boreholes in close proximity to the Hawkins GY #4 well should be dropped to the agreed upon depth and converted to monitoring wells if groundwater or trapped fluids in the strata are encountered. The OCD is obligated to make sure a complete and thorough investigation is performed. A site conceptual model using subsurface geologic and hydrologic data should be developed after the investigation around the Hawkins GY #4 well has been completed. 400 ft2 Floor/Sidewall confirmation samples approved.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 153579.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

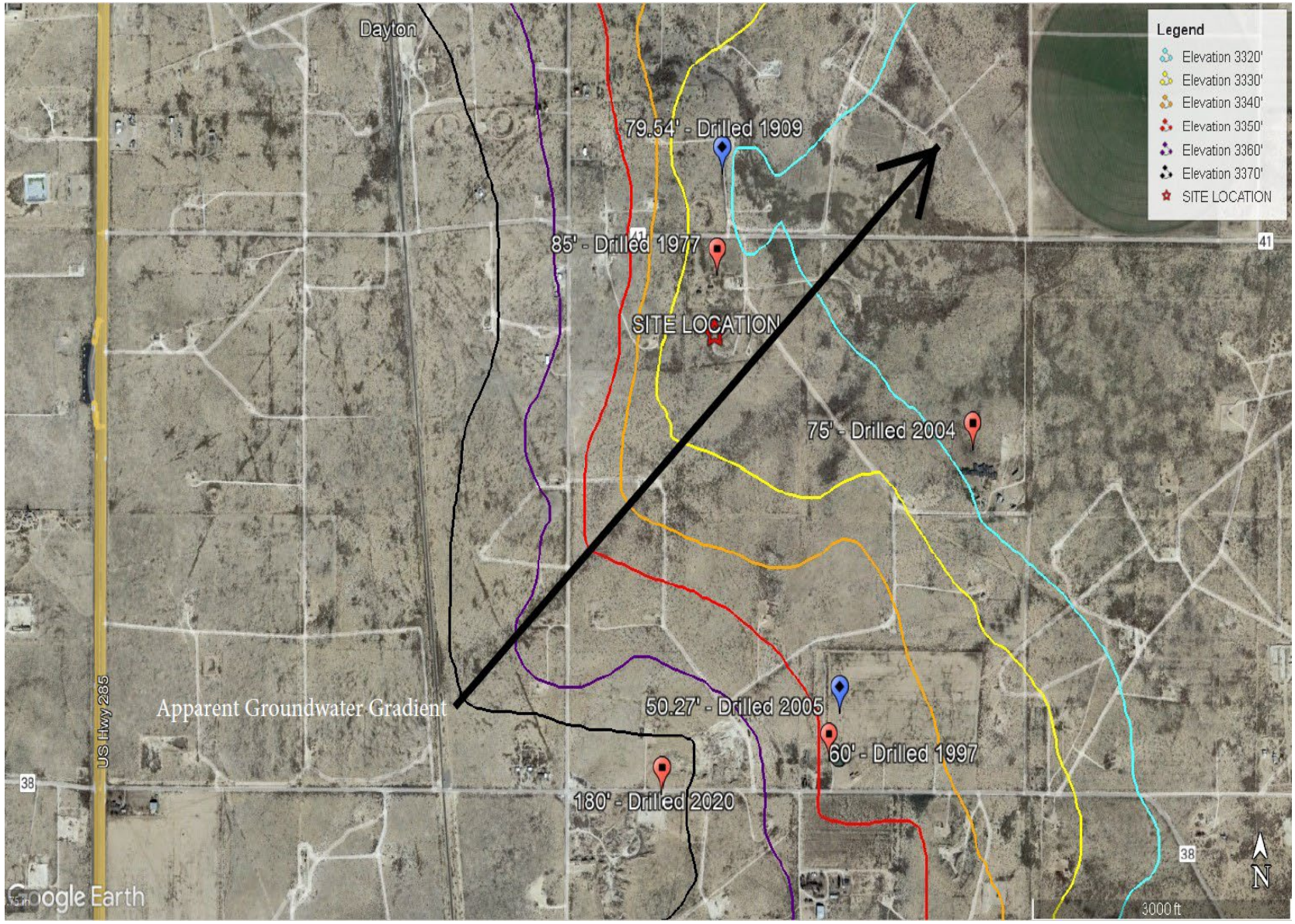
Thank you,
Robert Hamlet
575-748-1283
Robert.Hamlet@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

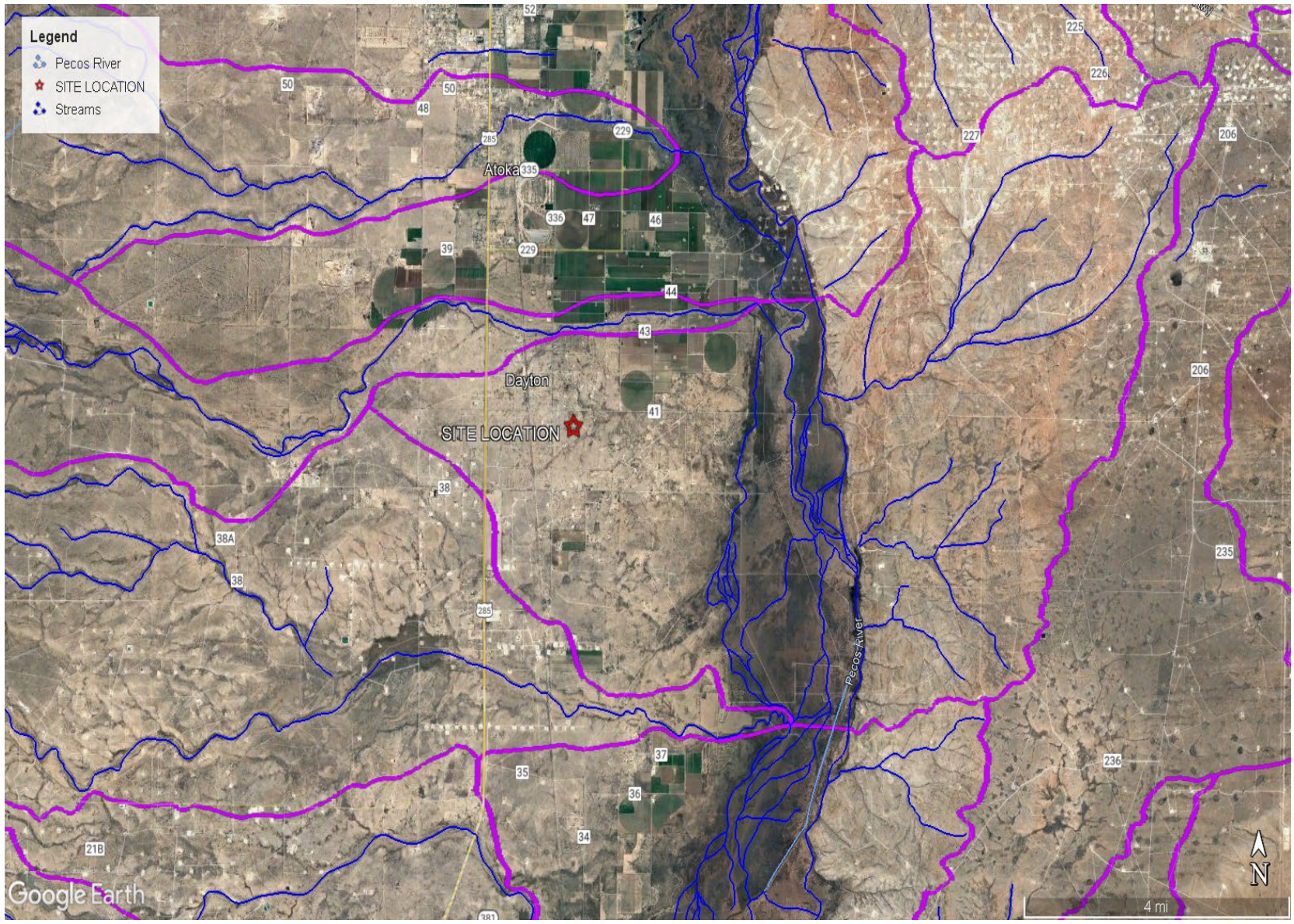
APPENDIX D

CARMONA RESOURCES

WELL LOCATION MAP SILVERBACK EXPLORATION HAWKINS GY #4 EDDY COUNTY, NEW MEXICO 32.723438, -104.373086	CARMONA RESOURCES	Figure 4



APPARENT GROUNDWATER GRADIENT MAP SILVERBACK EXPLORATION HAWKINS GY #4 EDDY COUNTY, NEW MEXICO 32.723438, -104.373086	CARMONA RESOURCES	Figure 5

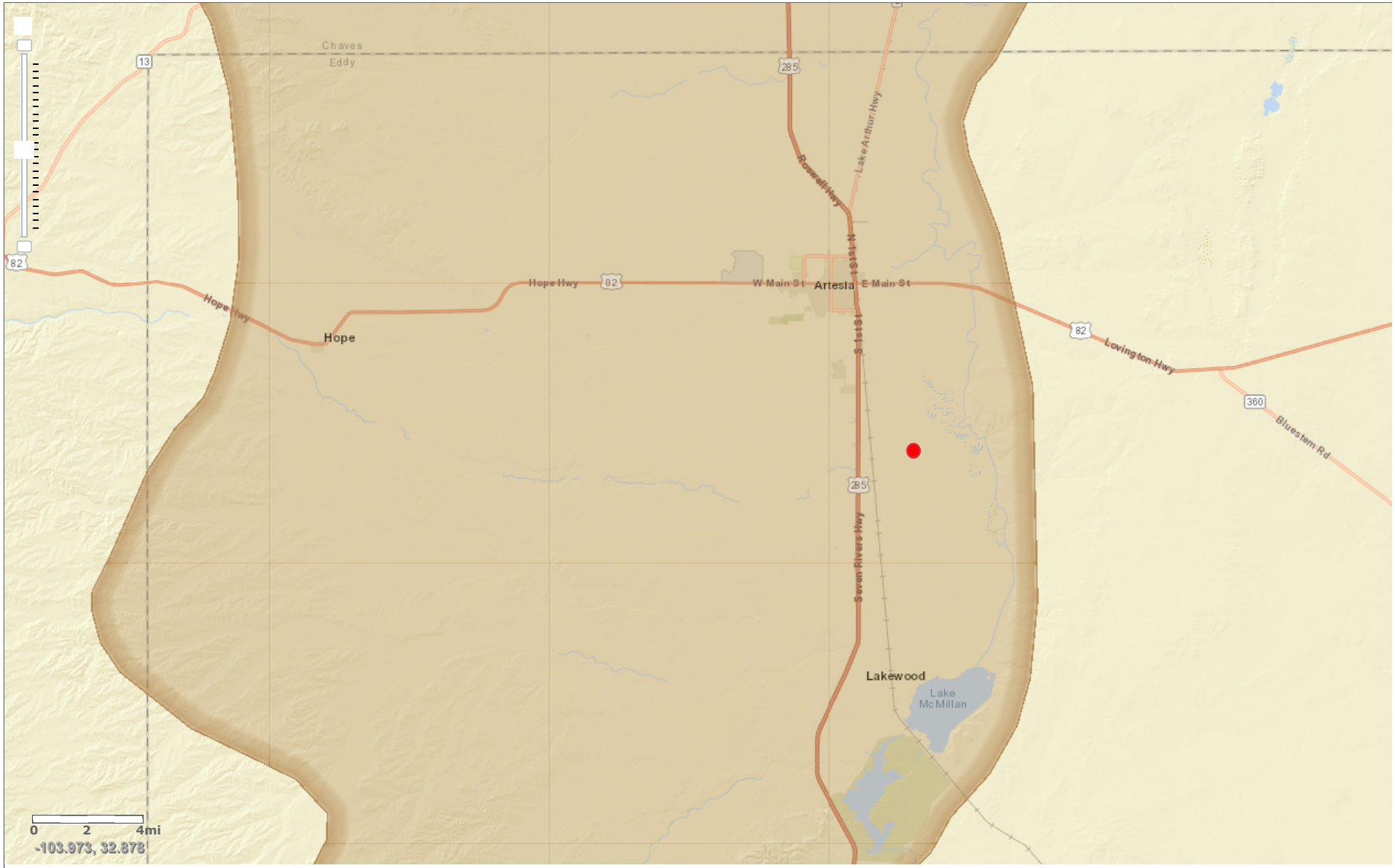


HYDROLOGICAL UNIT AND WATERSHED MAP
SILVERBACK EXPLORATION
HAWKINS GY #4
EDDY COUNTY, NEW MEXICO
32.723438, -104.373086

CARMONA RESOURCES

USGS science for a changing world

National Water Information System: Mapper



Site Information

Silverback Exploration

Hawkins GY #4

Sec 27 T18S R26E Unit C

32.723438, -104.373086

Eddy County, New Mexico

Site Characterization

-Two water features within specified distances of 1/2 mile radius

-Low Karst

-NMSEO Groundwater is 85' below the surface, 0.12 miles North of the site, 1977 Drilled, Section 27

-USGS Groundwater is 79.54' below the surface, 0.30 miles North of the site, 1909 Drilled, Section 27

-NMSEO Groundwater is 75' below the surface, 0.60 miles Southeast of the site, 2004 Drilled, Section 27

*****444' from an occupied permanent residence from the Point of Release, required to be 300' away from the lateral extent of the release*****

*****632' from a residential fresh water well from the Point of Release, required to be 1,000' away from the lateral extent of the release*****

Remediation levels set by NMAC 19.15.29.12 due to proximity to the freshwater well

-Chlorides 600 mg/kg

-TPH GRO+DRO+MRO 100 mg/kg

-BTEX 50 mg/kg

-Benzene 10 mg/kg

Nearest Water Wells

Silverback Exploration

CARMONA RESOURCES

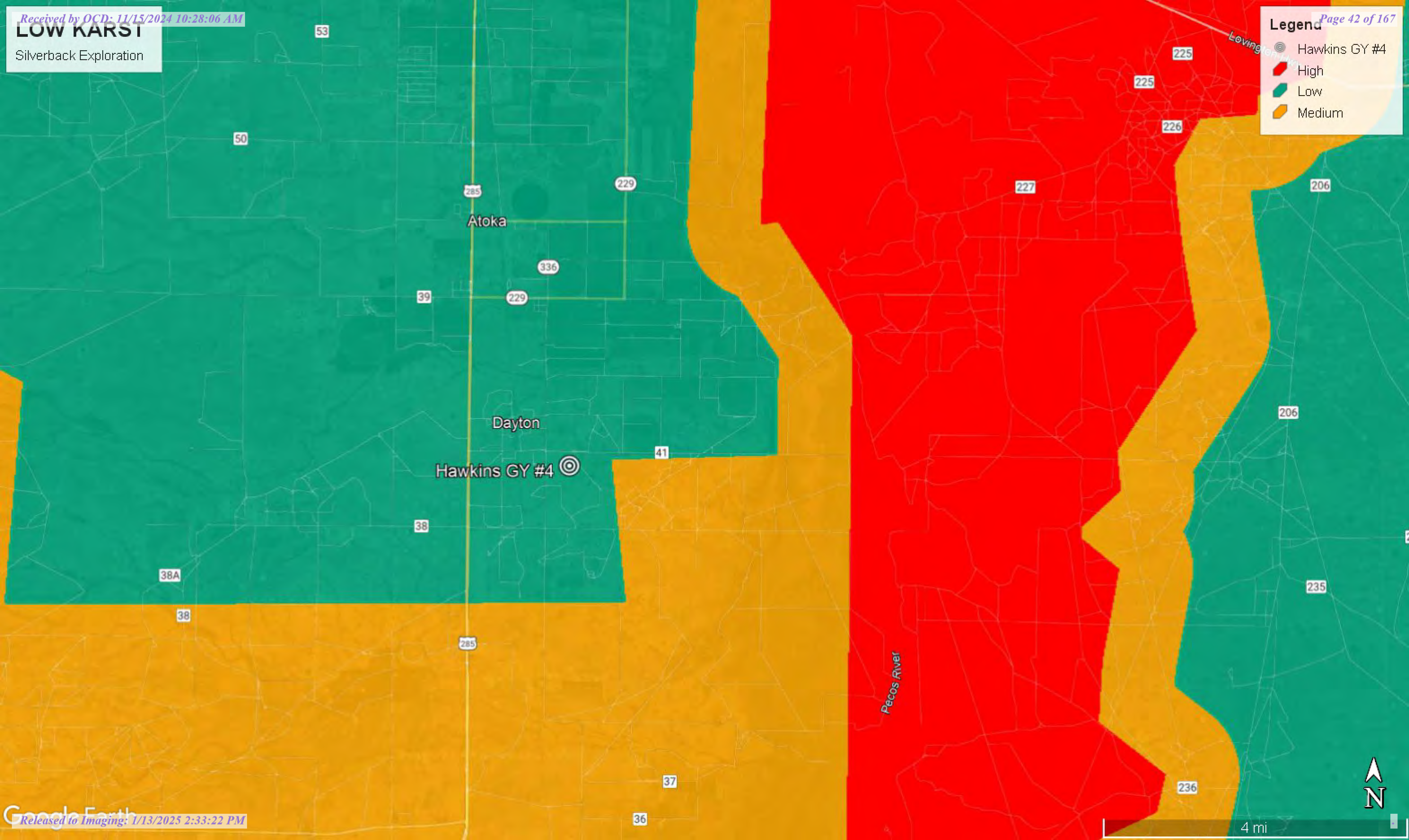
Project Name :	**Hawkins GY #4 (T-GW)**	**Date :**	**Wednesday, December 6, 2023**
Project No. :	**1123**	**Sampler :**	**Clinton Merritt**
Location :	**Eddy County, New Mexico**		
Coordinates :	**32.723182°, -104.373062°**	**Driller :**	**HCI Drilling**
Elevation :	**3,338'**	**Method :**	**Air Rotary**

Depth (ft.)	WL	Soil Description	Lithology
0		Light brown, soft, medium (2.0-.43 mm) sand, with 20% Gypsum and limestone fragments. Dry, no organics, no odor (SC).	
5		Light brown, soft, medium (2.0-.43 mm) sand, with 20% Gypsum and limestone fragments. Dry, no organics, no odor (SC).	
10		Light brown, soft, medium (2.0-.43 mm) sand, with 20% Gypsum and limestone fragments. Dry, no organics, no odor (SC).	
15		Light brown, soft, medium (2.0-.43 mm) sand, with 20% Gypsum and limestone fragments. Dry, no organics, no odor (SC).	
20		White, loose, medium (2.0-.43 mm) sand, with 20% calcareous caliche. Dry, no organics, no odor (SC).	
25		White, loose, medium (2.0-.43 mm) sand, with 20% calcareous caliche. Dry, no organics, no odor (SC).	
30		Light brown fine (.43-.08 mm) sand with medium stiff clay. Dry, no organics, no odor (CL).	
35		Dark brown soft, medium plastic clay, with silty (<.08 mm) sand. Dry, no organics, no odor (CL).	
40		Dark brown soft, medium plastic clay, with silty (<.08 mm) sand. Dry, no organics, no odor (CL).	
45		Dark brown soft, medium plastic clay, with silty (<.08 mm) sand. Dry, no organics, no odor (CL).	
50			

Depth (ft.)	WL	Soil Description	Lithology
50		Dark brown soft, medium plastic clay, with silty (<.08 mm) sand. Dry, no organics, no odor (CL).	
55		Dark brown soft, medium plastic clay, with silty (<.08 mm) sand. Dry, no organics, no odor (CL).	
60		Dark brown soft, medium plastic clay, with silty (<.08 mm) sand. Dry, no organics, no odor (CL).	
65		Dark brown soft clay, with silty (<.08 mm) sand. Dry, no organics, no odor (CL).	
70		Dark brown soft, medium plastic clay, with silty (<.08 mm) sand. Dry, no organics, no odor (CL).	
75		Dark brown soft, medium plastic clay, with silty (<.08 mm) sand. Moist, no organics, no odor (CL).	
80		Dark brown highly plastic soft clay, with silty (<.08 mm) sand. Saturated, no organics, no odor (CH).	
85		Dark brown highly plastic soft clay, with silty (<.08 mm) sand. Saturated, no organics, no odor (CH).	
90		Dark brown highly plastic soft clay, with silty (<.08 mm) sand. Saturated, no organics, no odor (CH).	
95		(95' - 98') Dark brown highly plastic soft clay, with silty (<.08 mm) sand. Saturated, no organics, no odor (CH).	
98			

Comments : (12/5/23) - Boring terminated at 80' with no groundwater present. (12/6/23) - Well measured with 0.5' of water inside casing. Boring terminated at 98' 11:00 AM (MT).

Received by OCD: 11/15/2024 10:28:06 AM



Released to Imaging: 1/13/2025 2:33:22 PM

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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 00010		RA	ED	1	3	3	10	18S	26E	558344	3624616*	863	32	831
RA 00010 A		RA	ED	1	3	3	10	18S	26E	558344	3624616*	863	32	831
RA 00010 CLW202760	O	RA	ED	3	1	3	10	18S	26E	558343	3624821*	863	32	831
RA 00010 CLW202772	O	RA	ED	3	1	3	10	18S	26E	558343	3624821*	863	32	831
RA 00010 CLW202817	O	RA	ED	3	1	3	10	18S	26E	558343	3624821*	863	32	831
RA 00010 CLW202829	O	RA	ED	3	1	3	10	18S	26E	558343	3624821*	863	32	831
RA 00011	O	RA	ED		3	3	11	18S	26E	560054	3624529*	1100		
RA 00011 A		RA	ED		3	3	11	18S	26E	560054	3624529*	1100		
RA 00012	O	RA	ED		3	4	11	18S	26E	560858	3624531*	600		
RA 00012 A		RA	ED	3	3	4	11	18S	26E	560757	3624430*	600		
RA 00382		RA	ED	1	1	4	04	18S	26E	557526	3626639*	46	24	22
RA 00773		RA	ED		1	2	23	18S	26E	560856	3622508*			
RA 00774		RA	ED		1	2	23	18S	26E	560856	3622508*			
RA 00775		RA	ED		1	2	23	18S	26E	560856	3622508*	900		
RA 01144		RA	ED	1	1	3	10	18S	26E	558343	3625021*	697		
RA 01144 -S		RA	CH		3	1	23	18S	26E	560055	3622102*	809		
RA 01171		RA	ED	1	3	4	10	18S	26E	559149	3624622*	864	8	856
RA 01245		RA	ED	1	2	1	03	18S	26E	558733	3627449*	1102		
RA 01288		RA	ED	3	3	3	02	18S	26E	559950	3626045*	186	50	136
RA 01288 CLW319630	O	RA	ED	3	3	3	02	18S	26E	559950	3626045*	200		
RA 01296		RA	ED	3	3	1	23	18S	26E	559954	3622001*	180	80	100
RA 01296 CLW229885	O	RA	ED	1	3	1	23	18S	26E	559954	3622201*	180	70	110
RA 01296 S3		RA	ED	1	3	3	15	18S	26E	558351	3623003*	230	70	160
RA 01296 S5		RA	ED	1	3	3	15	18S	26E	558351	3623003*	223	35	188
RA 01298		RA	ED	4	3	2	07	18S	26E	554502	3625219*	150		
RA 01298 S		RA	ED	4	3	2	07	18S	26E	554502	3625219*	250	155	95

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

(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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 01343 CLW	O	RA	CH	1	2	4	14	18S	26E	561157	3623417*	150	23	127
RA 01435		RA	ED	1	1	4	04	18S	26E	557526	3626639*	139		
RA 01446		RA	ED		1	3	15	18S	26E	558450	3623307*	175		
RA 01446 CLW		RA	ED	1	3	3	15	18S	26E	558351	3623003*	165	42	123
RA 01462		RA	ED		1	3	09	18S	26E	556828	3624924*	163		
RA 01462 #3		RA	ED		3	3	09	18S	26E	556830	3624520*	230		
RA 01462 CLW-2		RA	ED	1	1	1	09	18S	26E	556723	3625830*	120	37	83
RA 01469 2		RA	ED	2	3	3	18	18S	26E	553733	3622993*	300	150	150
RA 01469 REPAR		RA	ED	2	3	3	18	18S	26E	553733	3622993*	230	160	70
RA 01469 SUP		RA	ED	2	3	3	18	18S	26E	553733	3622993*	225	90	135
RA 01474		RA	ED	4	3	1	33	18S	26E	556956	3618775*	300		
RA 01474 CLW		RA	ED	2	3	1	33	18S	26E	556956	3618975*	225		
RA 01474 REPAR		RA	ED	1	1	1	33	18S	26E	556754	3619377*	200		
RA 01474 SUP		RA	ED	1	1	1	33	18S	26E	556754	3619377*	210		
RA 01496		RA	ED	1	3	1	09	18S	26E	556725	3625426*	300	60	240
RA 01496 CLW	O	RA	ED	1	3	1	09	18S	26E	556725	3625426*	165		
RA 01496 SUP	O	RA	ED	1	3	1	09	18S	26E	556725	3625426*	227	90	137
RA 01508		RA	ED	3	2	3	18	18S	26E	553918	3623197*	235		
RA 01508 CLW		RA	ED	2	3	3	18	18S	26E	553733	3622993*	300		
RA 01703		RA	ED	3	1	3	34	18S	26E	558367	3618370*	735		
RA 01703 CLW		RA	ED	3	1	3	34	18S	26E	558367	3618370*	871		
RA 01703 REPAR		RA	ED		1	3	34	18S	26E	558468	3618471*	735		
RA 01703 REPAR 2		RA	ED	3	1	3	34	18S	26E	558367	3618370*	754	70	684
RA 01858		RA	ED	3	1	3	34	18S	26E	558367	3618370*	735		
RA 01881		RA	ED		3	3	26	18S	26E	560060	3619681*	2450		
RA 01884		RA	ED	1	1	3	21	18S	26E	556741	3621792*	127		
RA 01895		RA	ED	3	3	2	08	18S	26E	555916	3625222*	822		
RA 01921 CLW		RA	ED	1	3	4	03	18S	26E	559144	3626242*	125		
RA 01921 S		RA	ED	1	3	4	03	18S	26E	559144	3626242*	172	65	107

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

(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	Depth Well	Depth Water	Water Column
RA 02013	RA	ED	2	2	2	17	18S	26E	556527	3624212*	136		
RA 02043	RA	ED				02	18S	26E	560654	3626749*			
RA 02048	RA	ED				09	18S	26E	557433	3625123*			
RA 02122	RA	ED	1	2	2	10	18S	26E	559548	3625839*	115	15	100
RA 02132 B	RA	ED	1	2	1	24	18S	26E	561958	3622611*	166		
RA 02300	RA	ED		3	1	09	18S	26E	556826	3625327*	203		
RA 02389	RA	ED	1	2	2	15	18S	26E	559551	3624221*	209		
RA 02432	RA	ED	2	3	1	12	18S	26E	561764	3625443*	100		
RA 02513 POD1	RA	ED	3	4	3	04	18S	26E	557125	3626034*	677		
RA 02566	RA	ED	2	2	2	04	18S	26E	558124	3627446*	82		
RA 02585	RA	CH	3	3	3	04	18S	26E	556721	3626033*	100		
RA 02627	RA	ED	1	2	2	35	18S	26E	561169	3619382*	75	40	35
RA 02663	RA	ED		3	3	04	18S	26E	556822	3626134*	130	130	0
RA 02786	RA	CH	1	2	1	28	18S	26E	557148	3620987*	250	60	190
RA 02800	RA	ED	1	3	3	15	18S	26E	558351	3623003*	102	30	72
RA 02804	RA	CH	3	1	3	34	18S	26E	558367	3618370	750		
RA 02804 POD2	RA	ED	3	1	3	34	18S	26E	558425	3618324	200	168	32
RA 02808	RA	ED		4	4	03	18S	26E	559648	3626145*	100	30	70
RA 02828	RA	ED	2	3	3	04	18S	26E	556921	3626233*	85	44	41
RA 02877	RA	ED	3	1	3	10	18S	26E	558343	3624821*	150		
RA 02959	RA	ED	1	1	1	10	18S	26E	558340	3625832*	136	40	96
RA 03008	RA	ED	2	1	1	04	18S	26E	556912	3627444*	120		
RA 03029	RA	ED	1	1	2	09	18S	26E	557531	3625831*	147	35	112
RA 03042	RA	ED	1	2	4	08	18S	26E	556323	3625020*	200		
RA 03049	RA	ED	1	4	4	08	18S	26E	556325	3624616*	129	60	69
RA 03055	RA	ED	1	2	1	27	18S	26E	558757	3620986*	146	85	61
RA 03116	RA	ED	1	3	3	04	18S	26E	556721	3626233*	150		
RA 03153	RA	ED	2	4	2	05	18S	26E	556511	3627039*	185	50	135
RA 03181	RA	ED	4	2	3	17	18S	26E	555726	3623199*	200		

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

(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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 03181 CLW	O	RA	ED			1	17	18S	26E	555422	3623902*	250	92	158
RA 03181 CLW-2	O	RA	ED		2	2	18	18S	26E	554816	3624106*	258	115	143
RA 03181 CLW-3	O	RA	ED		3	2	18	18S	26E	554417	3623702*	334	134	200
RA 03181 COMB	O	RA	ED		2	3	17	18S	26E	555627	3623300*	229	55	174
RA 03181 REPAR-3	O	RA	ED	1	1	4	17	18S	26E	555929	3623401*	309	100	209
RA 03181 SUP	O	RA	ED	1	1	4	17	18S	26E	555929	3623401*	290	60	230
RA 03181 SUP REPAR	O	RA	ED	1	1	4	18	18S	26E	554320	3623397*	315	115	200
RA 03205		RA	ED		1	1	04	18S	26E	556813	3627345*	150	45	105
RA 03314		RA	ED	1	3	1	04	18S	26E	556715	3627041*	75	45	30
RA 03326		RA	ED		4	4	09	18S	26E	558041	3624518*	75	40	35
RA 03340		RA	ED		3	1	22	18S	26E	558454	3622097*	100	60	40
RA 03341		RA	ED	3	3	1	04	18S	26E	556715	3626841*	75	43	32
RA 03382		RA	ED	1	3	3	09	18S	26E	556729	3624619*	129		
RA 03409		RA	ED	1	4	2	24	18S	26E	562763	3622210*	175	18	157
RA 03421		RA	ED	1	2	2	16	18S	26E	557942	3624213*	665	130	535
RA 03470		RA	ED	1	1	3	04	18S	26E	556718	3626637*	100	50	50
RA 03499		RA	ED		3	2	15	18S	26E	559251	3623715*	616	40	576
RA 03499 CLW261762	O	RA	ED		3	2	15	18S	26E	559251	3623715*	616	40	576
RA 03517		RA	ED	1	1	3	04	18S	26E	556718	3626637*	100	60	40
RA 03580		RA	ED		3	1	22	18S	26E	558454	3622097*	1700		
RA 03585		RA	ED	4	1	4	14	18S	26E	560955	3623216*	1849		
RA 03596		RA	ED		3	4	11	18S	26E	560858	3624531*	1736		
RA 03598		RA	ED	1	3	2	22	18S	26E	559154	3622198*	1815		
RA 03599		RA	ED	2	1	1	22	18S	26E	558552	3622599*	1765		
RA 03600		RA	ED	2	3	2	14	18S	26E	560956	3623821*	955		
RA 03618		RA	ED		3	2	20	18S	26E	556037	3622093*	1838		
RA 03634		RA	ED	3	1	4	11	18S	26E	560757	3624835*	1797		
RA 03639		RA	ED	4	4	3	11	18S	26E	560555	3624429*	1710		
RA 03654		RA	ED	1	3	1	04	18S	26E	556715	3627041*	100	50	50

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

(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	Depth Well	Depth Water	Water Column
RA 03731	RA	ED	1	1	1	14	18S	26E	559953	3624223*	120	30	90
RA 03732	RA	ED	4	2	4	08	18S	26E	556523	3624820*	200	175	25
RA 03750	RA	ED		3	4	24	18S	26E	562465	3621299*	110	35	75
RA 03756	RA	ED	1	1	4	10	18S	26E	559147	3625027*	148	55	93
RA 03760	RA	ED	1	3	1	04	18S	26E	556715	3627041*	100	60	40
RA 03771	RA	ED	3	1	3	22	18S	26E	558354	3621592*	110	75	35
RA 03789	RA	ED	4	3	1	10	18S	26E	558541	3625227*	114	50	64
RA 03818	RA	ED		4	4	05	18S	26E	556417	3626133*	100	60	40
RA 03900	RA	ED	1	3	1	24	18S	26E	561557	3622206*	845	90	755
RA 03966	RA	ED	2	1	2	18	18S	26E	554513	3624205*	50	18	32
RA 04003	RA	ED	3	3	4	27	18S	26E	559161	3619578*	100		
RA 04004	RA	ED	3	2	2	21	18S	26E	557948	3622399*	140		
RA 04018	RA	CH	3	3	4	26	18S	26E	560762	3619581*	250		
RA 04022	RA	CH		2	1	35	18S	26E	560465	3619281*	520		
RA 04043	RA	ED	1	1	1	04	18S	26E	556712	3627444*	87	60	27
RA 04046	RA	ED			4	28	18S	26E	557859	3619879*	125		
RA 04101	RA	ED	3	3	3	08	18S	26E	555114	3624407*	210		
RA 04136	RA	ED		1	1	32	18S	26E	555246	3619273*	152	90	62
RA 04137	RA	CH	1	2	1	04	18S	26E	557116	3627445*	742		
RA 04145	RA	ED	1	1	1	06	18S	26E	553492	3627435*	201	119	82
RA 04154	RA	ED			4	05	18S	26E	556213	3626333*	200		
RA 04160	RA	ED	1	4	1	29	18S	26E	555542	3620580*	160	100	60
RA 04283	RA	LE	1	4	3	20	18S	26E	555538	3621384*	158	125	33
RA 04287	RA	ED	1	2	4	21	18S	26E	557951	3621792*	170	140	30
RA 04309	RA	ED			1	21	18S	26E	557041	3622297*	180		
RA 04479	RA	ED	2	4	4	08	18S	26E	556525	3624616*	215	120	95
RA 04552	RA	ED			3	04	18S	26E	557023	3626335*	125		
RA 04689	RA	ED	3	4	2	05	18S	26E	556311	3626839*	125	50	75
RA 04701	RA	ED		3	3	22	18S	26E	558456	3621290*	80	55	25

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

(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 Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 04784		RA	ED				30	18S	26E	554252	3620259*	205	190	15
RA 04793		RA	CH	2	4	4	06	18S	26E	554897	3626228*	246		
RA 04809		RA	ED			4	05	18S	26E	556213	3626333*	145	35	110
RA 04810		RA	ED			4	05	18S	26E	556213	3626333*	136	69	67
RA 04811		RA	ED			4	05	18S	26E	556213	3626333*	140	40	100
RA 04841		RA	ED	4	3	3	04	18S	26E	556921	3626033*	266	130	136
RA 05062		RA	ED	1	4	2	05	18S	26E	556311	3627039*	175	90	85
RA 05120		RA	ED	3	3	1	06	18S	26E	553495	3626833*	200	160	40
RA 05162		RA	ED	3	1	3	09	18S	26E	556727	3624823*	220	120	100
RA 05238		RA	ED	1	3	1	04	18S	26E	556715	3627041*	200	75	125
RA 05241		RA	ED		3	4	16	18S	26E	557644	3622903*	200	100	100
RA 05260		RA	ED	3	3	4	03	18S	26E	559144	3626042*	100	60	40
RA 05260 CLW252925	O	RA	ED	3	3	4	03	18S	26E	559144	3626042*	100	60	40
RA 05348		RA	ED	1	3	3	04	18S	26E	556721	3626233*	274	55	219
RA 05386		RA	ED	2	4	2	05	18S	26E	556511	3627039*	105	60	45
RA 05401		RA	ED	4	2	4	05	18S	26E	556513	3626436*	200	78	122
RA 05425		RA	ED		4	4	28	18S	26E	558060	3619677*	160	90	70
RA 05456		RA	ED		3	3	04	18S	26E	556822	3626134*	80	50	30
RA 05923		RA	ED	1	1	2	04	18S	26E	557520	3627445*	150	40	110
RA 05989		RA	ED	3	2	4	01	18S	26E	562774	3626466*	72	8	64
RA 06029		RA	ED		3	3	21	18S	26E	556844	3621290*	183	140	43
RA 06102		RA	ED				21	18S	26E	557447	3621893*	202	136	66
RA 06131		RA	ED		3	3	09	18S	26E	556830	3624520*	225	90	135
RA 06828		RA	CH			4	21	18S	26E	557851	3621491*	130	105	25
RA 06979		RA	ED		1	1	25	18S	26E	561660	3620896*	100		
RA 06997		RA	ED		2	2	05	18S	26E	556409	3627343*	350	180	170
RA 07219		RA	ED			4	26	18S	26E	561064	3619883*	110	50	60
RA 07242 EXP		RA	ED		3	4	26	18S	26E	560863	3619682*	102	55	47
RA 07243 EXP		RA	ED		3	4	26	18S	26E	560863	3619682*	110	50	60

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

(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	Depth Well	Depth Water	Water Column
RA 07394	RA	ED	3	3	3	34	18S	26E	558369	3617968*	166	100	66
RA 07408	RA	ED	2	4	4	21	18S	26E	558152	3621389*	155	85	70
RA 07612	RA	ED			2	05	18S	26E	556209	3627140*	126	106	20
RA 07654	RA	ED		2	4	21	18S	26E	558052	3621693*	180	170	10
RA 07747	RA	ED	4	4	2	03	18S	26E	559743	3626851*	85	40	45
RA 07789	RA	ED	3	3	3	06	18S	26E	553503	3626029*	182	150	32
RA 07822	RA	ED			2	05	18S	26E	556209	3627140*	200	170	30
RA 07831	RA	ED	4	3	3	04	18S	26E	556921	3626033*	107	50	57
RA 08812 REPAR	RA	ED		4	4	29	18S	26E	556451	3619679*	350	150	200
RA 08857	RA	ED	2	2	2	03	18S	26E	559741	3627453*	240	70	170
RA 08976	RA	ED	2	3	3	21	18S	26E	556943	3621389*	225	120	105
RA 08989	RA	ED	3	4	4	05	18S	26E	556316	3626032*	124	80	44
RA 08991 POD1	RA	ED	1	1	2	06	18S	26E	554293	3627438	210	150	60
RA 08999	RA	ED	4	2	1	31	18S	26E	554138	3619158*	222	80	142
RA 09068	RA	ED		3	2	03	18S	26E	559240	3626949*	220	45	175
RA 09207	RA	ED	2	4	3	35	18S	26E	560574	3618175*	140	50	90
RA 09208	RA	ED	2	4	3	35	18S	26E	560574	3618175*	160	50	110
RA 09209	RA	ED	2	4	3	35	18S	26E	560574	3618175*	105	45	60
RA 09210	RA	ED	2	4	3	35	18S	26E	560574	3618175*	140	50	90
RA 09211	RA	ED	4	4	3	35	18S	26E	560574	3617975*	100	45	55
RA 09212	RA	ED	4	4	3	35	18S	26E	560574	3617975*	120	45	75
RA 09213	RA	ED	4	4	3	35	18S	26E	560574	3617975*	120	45	75
RA 09214	RA	ED	4	4	3	35	18S	26E	560574	3617975*	100	45	55
RA 09261	RA	ED	3	3	1	04	18S	26E	556715	3626841*	250	120	130
RA 09286	RA	ED	2	4	4	29	18S	26E	556550	3619778*	300		
RA 09303	RA	ED	2	1	2	06	18S	26E	554493	3627437*	230	150	80
RA 09374	RA	ED	2	1	1	25	18S	26E	561759	3620995*	101		
RA 09414	RA	ED	4	4	4	05	18S	26E	556516	3626032*	125	60	65
RA 09437	RA	ED	3	3	4	27	18S	26E	559161	3619578*	120	60	60

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

(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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 09466		RA	ED	3	3	1	22	18S	26E	558353	3621996*	160	70	90
RA 09625		RA	ED	2	2	2	04	18S	26E	558124	3627446*	138	60	78
RA 09709		RA	ED		2	2	17	18S	26E	556428	3624113*	235	110	125
RA 09763		RA	ED	4	1	4	21	18S	26E	557748	3621592*	240	140	100
RA 09803		RA	ED	2	1	3	05	18S	26E	555300	3626632*	300		
RA 09874		RA	ED		2	1	35	18S	26E	560465	3619281*	150		
RA 10135		RA	ED	4	1	2	06	18S	26E	554493	3627237*	250	75	175
RA 10240		RA	ED		4	2	06	18S	26E	554797	3626936*	240	140	100
RA 10267		RA	ED	4	4	2	03	18S	26E	559743	3626851*	210	44	166
RA 10386	R	RA	ED	2	4	4	08	18S	26E	556525	3624616*	210	70	140
RA 10490		RA	ED		4	2	27	18S	26E	559659	3620486*	200	75	125
RA 10582		RA	ED	4	3	3	04	18S	26E	556921	3626033*	190	100	90
RA 10715		RA	ED	4	4	4	05	18S	26E	556516	3626032*	190		
RA 10763		RA	ED	3	1	3	04	18S	26E	556718	3626437*	116	66	50
RA 11047 POD1		RA	ED	1	1	2	06	18S	26E	554293	3627437*	218	153	65
RA 11179 POD1		RA	ED	2	3	2	16	18S	26E	558172	3623807	74	60	14
RA 11179 POD2		RA	ED	4	4	2	16	18S	26E	558180	3623696	71	60	11
RA 11340 POD1		RA	ED	1	2	2	05	18S	26E	556395	3627429	190	95	95
RA 11480 POD1		RA	ED	2	1	3	21	18S	26E	556958	3621808	199	175	24
RA 11506 POD1		RA	ED	1	3	3	22	18S	26E	558290	3621345	160	78	82
RA 11641 POD1		RA	ED	2	2	2	06	18S	26E	554860	3627419	237	212	25
RA 11645 POD1		RA	ED	2	4	2	06	18S	26E	554836	3627111	237	200	37
RA 11682 POD1		RA	ED	4	4	4	09	18S	26E	557428	3625421	71	51	20
RA 11682 POD2		RA	ED	4	2	2	16	18S	26E	558236	3623959	98		
RA 11682 POD3		RA	ED	3	4	2	09	18S	26E	557934	3625136	70	54	16
RA 11682 POD4		RA	ED	1	3	2	09	18S	26E	557447	3625432	85	70	15
RA 11682 POD5		RA	ED	4	2	1	16	18S	26E	558214	3624632	66	51	15
RA 11784 POD1		RA	ED	1	2	2	22	18S	26E	559480	3622632	154	98	56
RA 11857 POD1		RA	ED	1	1	2	05	18S	26E	577784	3625988	235	95	140

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

(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 Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 11890 POD1	RA	ED	1	1	4	28	18S	26E	559161	3620210	175	85	90
RA 11948 POD1	RA	ED	1	1	2	09	18S	26E	557615	3625672	220	148	72
RA 11951 POD1	RA	ED	4	2	1	09	18S	26E	557325	3625696	232	40	192
RA 11952 POD1	RA	ED	4	2	2	28	18S	26E	558153	3620727	170	90	80
RA 11962 POD1	RA	ED	2	2	2	05	18S	26E	556463	3627339	280	164	116
RA 11983 POD1	RA	ED	2	2	2	04	18S	26E	557809	3627479	240	75	165
RA 11995 POD1	RA	ED		1	1	04	18S	26E	556668	3627125	260	195	65
RA 12068 POD1	RA	ED	1	2	2	04	18S	26E	557926	3627444	240	90	150
RA 12138 POD1	RA	ED	2	4	1	06	18S	26E	554080	3627067	320	135	185
RA 12265 POD1	RA	ED	2	2	2	17	18S	26E	556509	3624232	330	185	145
RA 12325 POD1	RA	ED	2	2	3	06	18S	26E	554167	3626636	350	220	130
RA 12483 POD1	RA	ED	1	4	4	14	18S	26E	561070	3623006	72	55	17
RA 12483 POD2	RA	ED	1	4	4	14	18S	26E	561084	3622999	62	51	11
RA 12483 POD3	RA	ED	1	4	4	14	18S	26E	561120	3623003	58	47	11
RA 12483 POD4	RA	ED	1	4	4	14	18S	26E	561086	3622959	60	48	12
RA 12483 POD5	RA	ED	1	4	4	14	18S	26E	561126	3622920	59	53	6
RA 12518 POD1	RA	ED	4	4	2	03	18S	26E	559830	3626909	160	50	110
RA 12706 POD1	RA	ED	4	1	3	21	18S	26E	556871	3621549	210	140	70
RA 12740 POD1	RA	ED	2	3	2	14	18S	26E	560985	3623759	150	86	64
RA 12786 POD1	RA	ED	2	4	3	03	18S	26E	559048	3626190	162	65	97
RA 12818 POD1	RA	ED	4	3	3	04	18S	26E	556828	3625974	245	120	125
RA 12890 POD1	RA	ED	2	4	4	21	18S	26E	558105	3621429	180	102	78
RA 12897 POD1	RA	ED	1	4	1	21	18S	26E	557046	3622199	180	120	60
RA 12961 POD1	RA	ED	4	3	3	27	18S	26E	558578	3619477	215	180	35
RA 12984 POD1	RA	ED	4	4	2	09	18S	26E	558209	3625197	85	69	16
RA 12984 POD2	RA	ED	2	2	2	09	18S	26E	558203	3625843	92	78	14
RA 13107 POD1	RA	ED	4	2	4	20	18S	26E	556595	3621516	185	166	19
RA 13120 POD3	RA	ED	1	1	3	30	18S	26E	553446	3620095			
RA 13158 POD1 (T)	RA	ED	3	4	2	21	18S	26E			55		

(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 Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 13189 POD1	RA	ED	3	3	3	04	18S	26E	556726	3625946	260		

Average Depth to Water: **82 feet**

Minimum Depth: **8 feet**

Maximum Depth: **220 feet**

Record Count: 259

PLSS Search:

Township: 18S **Range:** 26E

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 03055	1	2	1	27	18S	26E	558757	3620986*

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

Driller Name:

Drill Start Date: 04/21/1977 **Drill Finish Date:** 04/23/1977 **Plug Date:**

Log File Date: 05/03/1977 **PCW Rcv Date:** **Source:** Shallow

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

Casing Size: 7.00 **Depth Well:** 146 feet **Depth Water:** 85 feet

Water Bearing Stratifications:	Top	Bottom	Description
	105	125	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	100	140

***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

- Attention current WaterAlert users: NextGen WaterAlert is replacing Legacy WaterAlert. You must take action before 9/30/2022 to retain your alerts. Read more.
- 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 =
- 324340104222201

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

USGS 324340104222201 18S.26E.27.12111

Eddy County, New Mexico
Latitude 32°43'40", Longitude 104°22'22" NAD27
Land-surface elevation 3,326 feet above NAVD88
The depth of the well is 888 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Grayburg Formation of Artesia Group (313GRBG) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1907-07-20		D	62610		3431.71	NGVD29	1	Z		
1907-07-20		D	62611		3433.26	NAVD88	1	Z		
1907-07-20		D	72019	-107.26			1	Z		
1907-12-27		D	62610		3424.78	NGVD29	1	Z		
1907-12-27		D	62611		3426.33	NAVD88	1	Z		
1907-12-27		D	72019	-100.33			1	Z		
1908-03-31		D	62610		3399.37	NGVD29	1	Z		
1908-03-31		D	62611		3400.92	NAVD88	1	Z		
1908-03-31		D	72019	-74.92			1	Z		
1908-06-18		D	62610		3415.54	NGVD29	1	Z		
1908-06-18		D	62611		3417.09	NAVD88	1	Z		
1908-06-18		D	72019	-91.09			1	Z		
1908-08-29		D	62610		3420.16	NGVD29	1	Z		
1908-08-29		D	62611		3421.71	NAVD88	1	Z		
1908-08-29		D	72019	-95.71			1	Z		
1908-12-30		D	62610		3423.63	NGVD29	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1908-12-30		D	62611		3425.18	NAVD88	1	Z		
1908-12-30		D	72019	-99.18			1	Z		
1909-03-18		D	62610		3409.77	NGVD29	1	Z		
1909-03-18		D	62611		3411.32	NAVD88	1	Z		
1909-03-18		D	72019	-85.32			1	Z		
1909-11-09		D	62610		3403.99	NGVD29	1	Z		
1909-11-09		D	62611		3405.54	NAVD88	1	Z		
1909-11-09		D	72019	-79.54			1	Z		

Explanation

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

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

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

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-08-19 15:52:12 EDT
0.27 0.24 nadww01

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	RA 10490	4	2		27	18S	26E	559659	3620486*

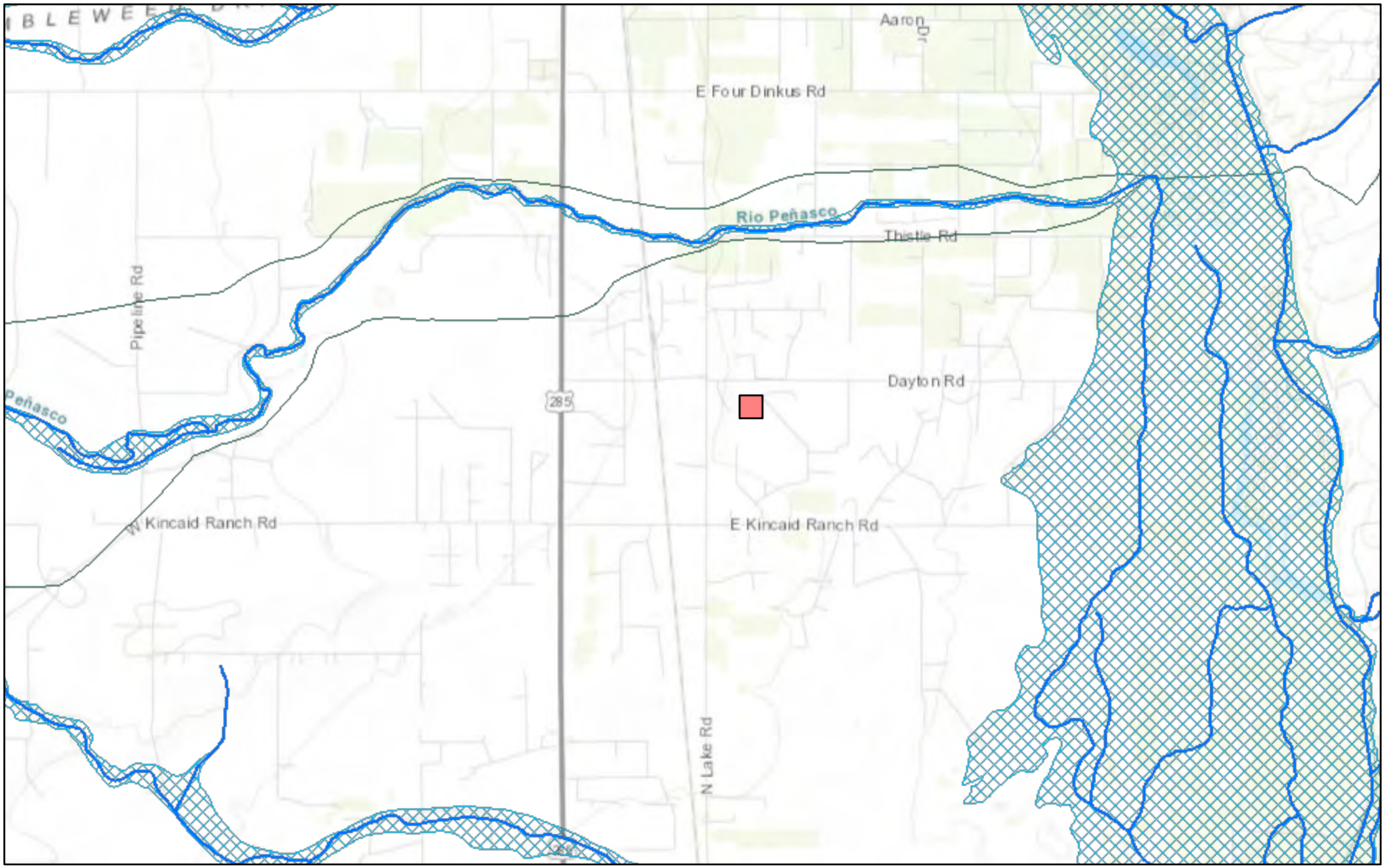
Driller License:	1229	**Driller Company:**	CARTER'S WELL DRILLING		
Driller Name:	CARTER, RICHARD M.				
Drill Start Date:	03/18/2004	**Drill Finish Date:**	04/20/2004	**Plug Date:**	
Log File Date:	06/01/2004	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**		**Estimated Yield:**	5 GPM
Casing Size:	4.50	**Depth Well:**	200 feet	**Depth Water:**	75 feet

Water Bearing Stratifications:	Top	Bottom	Description
	100	110	Other/Unknown
	185	190	Other/Unknown

Casing Perforations:	Top	Bottom
	100	200

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

New Mexico NFHL Data



August 19, 2022

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 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: Hawkins GY #4

Work Order: E209098

Job Number: [none]

Received: 9/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/21/22

Date Reported: 9/21/22

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

Project Name: Hawkins GY #4
Workorder: E209098
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: Hawkins GY #4.

The analytical test results summarized in this report with the Project Name: Hawkins GY #4 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
Office: 505-421-LABS(5227)
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:	Hawkins GY #4	**Reported:**
310 West Wall St. Suite 415	Project Number:		
Midland TX, 79701	Project Manager:	Conner Moehring	09/21/22 17:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-6 (8-9')	E209098-01A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-6 (10-11')	E209098-02A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-6 (12')	E209098-03A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-6 (13')	E209098-04A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-6 (15')	E209098-05A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-6 (17')	E209098-06A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-6 (20')	E209098-07A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-6 (22')	E209098-08A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-7 (0-1')	E209098-09A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-7 (2-3')	E209098-10A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-7 (4-5')	E209098-11A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-7 (6-7')	E209098-12A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-7 (8-9')	E209098-13A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-7 (10-11')	E209098-14A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-8 (0-1')	E209098-15A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-8 (2-3')	E209098-16A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-8 (4-5')	E209098-17A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-8 (6-7')	E209098-18A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-8 (8-9')	E209098-19A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
BH-8 (10-11')	E209098-20A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
H-1 (0-0.5')	E209098-21A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
H-2 (0-0.5')	E209098-22A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
H-3 (0-0.5')	E209098-23A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
H-4 (0-0.5')	E209098-24A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
H-5 (0-0.5')	E209098-25A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.
H-6 (0-0.5')	E209098-26A	Soil	09/16/22	09/20/22	Glass Jar, 4 oz.

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-6 (8-9')

E209098-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	**0.0550**	0.0250	1	09/20/22	09/20/22	
Toluene	**0.0405**	0.0250	1	09/20/22	09/20/22	
o-Xylene	**0.0450**	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	**0.0735**	0.0500	1	09/20/22	09/20/22	
Total Xylenes	**0.119**	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*92.6 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**2150**	40.0	2	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-6 (10-11')

E209098-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*94.4 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**1590**	40.0	2	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-6 (12')

E209098-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*92.9 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**577**	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-6 (13')

E209098-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*91.0 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**605**	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-6 (15')

E209098-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*81.8 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**1100**	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-6 (17')

E209098-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*91.8 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*91.8 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*80.1 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**610**	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-6 (20')

E209098-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*96.4 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*96.4 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*81.2 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**298**	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-6 (22')

E209098-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*95.5 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*95.5 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*83.4 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**297**	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-7 (0-1')

E209098-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*83.4 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**499**	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-7 (2-3')

E209098-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*94.9 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*94.9 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*93.3 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**160**	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-7 (4-5')

E209098-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*96.0 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*81.2 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**413**	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-7 (6-7')

E209098-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*95.5 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*95.5 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*82.1 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**327**	200	10	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-7 (8-9')

E209098-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*82.6 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**488**	200	10	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-7 (10-11')

E209098-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*83.0 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**502**	100	5	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-8 (0-1')

E209098-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	**0.0350**	0.0250	1	09/20/22	09/20/22	
Toluene	**0.0250**	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene	*96.1 %*	*70-130*		*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4	*93.2 %*	*70-130*		*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8	*104 %*	*70-130*		*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene	*96.1 %*	*70-130*		*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4	*93.2 %*	*70-130*		*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8	*104 %*	*70-130*		*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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	*82.5 %*	*50-200*		*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**1080**	40.0	2	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-8 (2-3')

E209098-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*85.5 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**2700**	40.0	2	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-8 (4-5')

E209098-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*94.2 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*94.2 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*81.4 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**3930**	40.0	2	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-8 (6-7')

E209098-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
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		*97.9 %*	*70-130*	*09/20/22*	*09/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*09/20/22*	*09/21/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/21/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*09/20/22*	*09/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*09/20/22*	*09/21/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*85.0 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**2300**	400	20	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-8 (8-9')

E209098-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
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		*95.9 %*	*70-130*	*09/20/22*	*09/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*09/20/22*	*09/21/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/21/22	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*09/20/22*	*09/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*09/20/22*	*09/21/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*09/20/22*	*09/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*82.7 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**1410**	200	10	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

BH-8 (10-11')

E209098-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
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		*95.4 %*	*70-130*	*09/20/22*	*09/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*09/20/22*	*09/21/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*09/20/22*	*09/21/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/21/22	
Surrogate: Bromofluorobenzene		*95.4 %*	*70-130*	*09/20/22*	*09/21/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*09/20/22*	*09/21/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*09/20/22*	*09/21/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239027
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		*86.1 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239045
Chloride	**422**	40.0	2	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

H-1 (0-0.5')

E209098-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239035
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.6 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*97.8 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.6 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*97.8 %*	*70-130*	*09/20/22*	*09/20/22*	
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	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
Surrogate: n-Nonane		*84.3 %*	*50-200*	*09/20/22*	*09/20/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239046
Chloride	ND	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

H-2 (0-0.5')

E209098-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239035
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*99.1 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.3 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*99.1 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.3 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*09/20/22*	*09/20/22*	
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	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
Surrogate: n-Nonane		*70.4 %*	*50-200*	*09/20/22*	*09/20/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239046
Chloride	ND	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

H-3 (0-0.5')

E209098-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239035
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*09/20/22*	*09/20/22*	
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		*75.3 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239046
Chloride	ND	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

H-4 (0-0.5')

E209098-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239035
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*97.3 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*98.2 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*97.3 %*	*70-130*	*09/20/22*	*09/20/22*	
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		*72.1 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239046
Chloride	**168**	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

H-5 (0-0.5')

E209098-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239035
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.7 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/20/22*	*09/20/22*	
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		*73.1 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239046
Chloride	**193**	20.0	1	09/20/22	09/21/22	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:	[none]	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

H-6 (0-0.5')

E209098-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239035
Benzene	ND	0.0250	1	09/20/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/20/22	09/20/22	
Toluene	ND	0.0250	1	09/20/22	09/20/22	
o-Xylene	ND	0.0250	1	09/20/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/20/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*09/20/22*	*09/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/20/22	09/20/22	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*09/20/22*	*09/20/22*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*09/20/22*	*09/20/22*	
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		*71.5 %*	*50-200*	*09/20/22*	*09/21/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2239046
Chloride	**373**	20.0	1	09/20/22	09/21/22	

QC Summary Data

Carmona Resources	Project Name:	Hawkins GY #4	**Reported:**
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

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 (2239034-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	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			
LCS (2239034-BS1)									Prepared: 09/20/22 Analyzed: 09/21/22
Benzene	2.22	0.0250	2.50		88.7	70-130			
Ethylbenzene	2.27	0.0250	2.50		90.8	70-130			
Toluene	2.23	0.0250	2.50		89.0	70-130			
o-Xylene	2.14	0.0250	2.50		85.5	70-130			
p,m-Xylene	4.26	0.0500	5.00		85.2	70-130			
Total Xylenes	6.40	0.0250	7.50		85.3	70-130			
Surrogate: Bromofluorobenzene	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: Toluene-d8	*0.533*		*0.500*		*107*	*70-130*			
LCS Dup (2239034-BSD1)									Prepared: 09/20/22 Analyzed: 09/21/22
Benzene	2.11	0.0250	2.50		84.4	70-130	4.94	23	
Ethylbenzene	2.19	0.0250	2.50		87.5	70-130	3.63	27	
Toluene	2.15	0.0250	2.50		86.1	70-130	3.36	24	
o-Xylene	2.05	0.0250	2.50		82.0	70-130	4.18	27	
p,m-Xylene	4.09	0.0500	5.00		81.7	70-130	4.24	27	
Total Xylenes	6.13	0.0250	7.50		81.8	70-130	4.22	27	
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			

QC Summary Data

Carmona Resources	Project Name:	Hawkins GY #4	**Reported:**
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

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 (2239035-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: Bromofluorobenzene	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.446*		*0.500*		*89.2*	*70-130*			
Surrogate: Toluene-d8	*0.480*		*0.500*		*96.0*	*70-130*			
LCS (2239035-BS1)									Prepared: 09/20/22 Analyzed: 09/20/22
Benzene	2.06	0.0250	2.50		82.3	70-130			
Ethylbenzene	2.22	0.0250	2.50		89.0	70-130			
Toluene	2.09	0.0250	2.50		83.5	70-130			
o-Xylene	2.28	0.0250	2.50		91.1	70-130			
p,m-Xylene	4.41	0.0500	5.00		88.1	70-130			
Total Xylenes	6.68	0.0250	7.50		89.1	70-130			
Surrogate: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.433*		*0.500*		*86.6*	*70-130*			
Surrogate: Toluene-d8	*0.492*		*0.500*		*98.4*	*70-130*			
LCS Dup (2239035-BSD1)									Prepared: 09/20/22 Analyzed: 09/20/22
Benzene	2.10	0.0250	2.50		83.8	70-130	1.85	23	
Ethylbenzene	2.25	0.0250	2.50		89.8	70-130	0.917	27	
Toluene	2.08	0.0250	2.50		83.1	70-130	0.432	24	
o-Xylene	2.29	0.0250	2.50		91.5	70-130	0.482	27	
p,m-Xylene	4.46	0.0500	5.00		89.2	70-130	1.17	27	
Total Xylenes	6.75	0.0250	7.50		89.9	70-130	0.938	27	
Surrogate: Bromofluorobenzene	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.432*		*0.500*		*86.4*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*99.0*	*70-130*			

QC Summary Data

Carmona Resources	Project Name:	Hawkins GY #4	**Reported:**
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

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 (2239034-BLK1)									Prepared: 09/20/22 Analyzed: 09/21/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			
LCS (2239034-BS2)									Prepared: 09/20/22 Analyzed: 09/21/22
Gasoline Range Organics (C6-C10)	56.4	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.1*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			
LCS Dup (2239034-BSD2)									Prepared: 09/20/22 Analyzed: 09/21/22
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130	8.96	20	
Surrogate: Bromofluorobenzene	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.7*	*70-130*			
Surrogate: Toluene-d8	*0.546*		*0.500*		*109*	*70-130*			

QC Summary Data

Carmona Resources	Project Name:	Hawkins GY #4	**Reported:**
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

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 (2239035-BLK1)									Prepared: 09/20/22 Analyzed: 09/20/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.446*		*0.500*		*89.2*	*70-130*			
Surrogate: Toluene-d8	*0.480*		*0.500*		*96.0*	*70-130*			
LCS (2239035-BS2)									Prepared: 09/20/22 Analyzed: 09/20/22
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.7	70-130			
Surrogate: Bromofluorobenzene	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.445*		*0.500*		*89.0*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
LCS Dup (2239035-BSD2)									Prepared: 09/20/22 Analyzed: 09/20/22
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.6	70-130	4.52	20	
Surrogate: Bromofluorobenzene	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.444*		*0.500*		*88.8*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*100*	*70-130*			

QC Summary Data

Carmona Resources	Project Name:	Hawkins GY #4	**Reported:**
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

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:	Hawkins GY #4	**Reported:**
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

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 (2239027-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	*47.1*		*50.0*		*94.1*	*50-200*			
LCS (2239027-BS1)									Prepared: 09/20/22 Analyzed: 09/21/22
Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	*41.6*		*50.0*		*83.2*	*50-200*			
Matrix Spike (2239027-MS1)				**Source: E209098-11**					Prepared: 09/20/22 Analyzed: 09/21/22
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	*42.6*		*50.0*		*85.3*	*50-200*			
Matrix Spike Dup (2239027-MSD1)				**Source: E209098-11**					Prepared: 09/20/22 Analyzed: 09/21/22
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	0.177	20	
Surrogate: n-Nonane	*42.6*		*50.0*		*85.2*	*50-200*			

QC Summary Data

Carmona Resources	Project Name:	Hawkins GY #4	**Reported:**
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

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 (2239045-BLK1)									Prepared: 09/20/22 Analyzed: 09/21/22
Chloride	ND	20.0							
LCS (2239045-BS1)									Prepared: 09/20/22 Analyzed: 09/21/22
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2239045-MS1)				**Source: E209098-01**					Prepared: 09/20/22 Analyzed: 09/21/22
Chloride	2150	40.0	250	2150	NR	80-120			M2
Matrix Spike Dup (2239045-MSD1)				**Source: E209098-01**					Prepared: 09/20/22 Analyzed: 09/21/22
Chloride	2370	40.0	250	2150	86.8	80-120	9.97	20	

QC Summary Data

Carmona Resources	Project Name:	Hawkins GY #4	**Reported:**
310 West Wall St. Suite 415	Project Number:	[none]	
Midland TX, 79701	Project Manager:	Conner Moehring	9/21/2022 5:19:04PM

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 (2239046-BLK1)							Prepared: 09/20/22 Analyzed: 09/20/22		
Chloride	ND	20.0							
LCS (2239046-BS1)							Prepared: 09/20/22 Analyzed: 09/20/22		
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2239046-MS1)				**Source: E209079-01**			Prepared: 09/20/22 Analyzed: 09/20/22		
Chloride	3880	40.0	250	5700	NR	80-120			M5
Matrix Spike Dup (2239046-MSD1)				**Source: E209079-01**			Prepared: 09/20/22 Analyzed: 09/21/22		
Chloride	3160	40.0	250	5700	NR	80-120	20.4	20	M5, R3

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:	Hawkins GY #4	
310 West Wall St. Suite 415	Project Number:		**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	09/21/22 17:19

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
M5	The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated LCS spike recovery was acceptable.
R3	The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
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: E209098

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:	

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:	Hawkins GY #4	Turn Around		Pres. Code	
Project Number:	1123	☐ 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:		

ANALYSIS REQUEST

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
1	BH-6 (8-9')	9/16/2022		X		G	1	X	X	X	
2	BH-6 (10-11')	9/16/2022		X		G	1	X	X	X	
3	BH-6 (12')	9/16/2022		X		G	1	X	X	X	
4	BH-6 (13')	9/16/2022		X		G	1	X	X	X	
5	BH-6 (15')	9/16/2022		X		G	1	X	X	X	
6	BH-6 (17')	9/16/2022		X		G	1	X	X	X	
7	BH-6 (20')	9/16/2022		X		G	1	X	X	X	
8	BH-6 (22')	9/16/2022		X		G	1	X	X	X	
9	BH-7 (0-1')	9/16/2022		X		G	1	X	X	X	
10	BH-7 (2-3')	9/16/2022		X		G	1	X	X	X	

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

Chain of Custody

Work Order No: E209098

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:	

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:	Hawkins GY #4	Turn Around	
Project Number:	1123	☐ 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
11	BH-7 (4-5')	9/16/2022		X		G	1		X	X	X	
12	BH-7 (6-7')	9/16/2022		X		G	1		X	X	X	
13	BH-7 (8-9')	9/16/2022		X		G	1		X	X	X	
14	BH-7 (10-11')	9/16/2022		X		G	1		X	X	X	
15	BH-8 (0-1')	9/16/2022		X		G	1		X	X	X	
16	BH-8 (2-3')	9/16/2022		X		G	1		X	X	X	
17	BH-8 (4-5')	9/16/2022		X		G	1		X	X	X	
18	BH-8 (6-7')	9/16/2022		X		G	1		X	X	X	
19	BH-8 (8-9')	9/16/2022		X		G	1		X	X	X	
20	BH-8 (10-11')	9/16/2022		X		G	1		X	X	X	

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

Chain of Custody

Work Order No: E209098

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:	

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:	Hawkins GY #4	Turn Around	
Project Number:	1123	☐ 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_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
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	
25	H-5 (0-0.5')	9/16/2022		X		G	1	X	X	X	
26	H-6 (0-0.5')	9/16/2022		X		G	1	X	X	X	

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 2:41:27PM

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:	E209098
Phone:	(432) 813-6823	Date Logged In:	09/19/22 15:17	Logged In By:	Alexa Michaels
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

Project has been separated into 3 reports due to amount of samples. Workorders are as follows:
E209096 COC pg 1&2 of 7, E209097 COC pg 3&4 of 7, E209098 COC pg 5,6&7 of 7.Time sampled not provided on COC.

Client Instruction

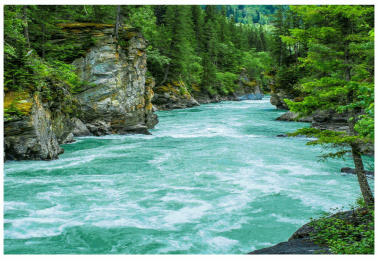
Signature of client authorizing changes to the COC or sample disposition.

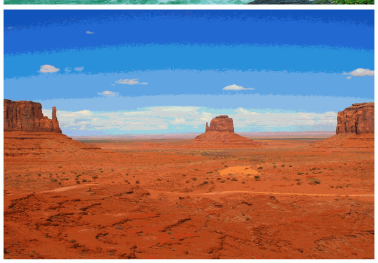
Date

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:	Hawkins GY #4-1
Work Order:	E312100
Job Number:	312100
Received:	12/14/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/19/23

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.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 12/19/23

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

Project Name: Hawkins GY #4-1
Workorder: E312100
Date Received: 12/14/2023 8:30:00AM

Conner Moehring,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/14/2023 8:30:00AM, under the Project Name: Hawkins GY #4-1.

The analytical test results summarized in this report with the Project Name: Hawkins GY #4-1 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Carmona Resources	Project Name:	Hawkins GY #4-1	**Reported:**
310 West Wall St. Suite 415	Project Number:	312100	
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/23 15:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-9 (0-1')	E312100-01A	Soil	12/05/23	12/14/23	Glass Jar, 2 oz.
BH-9 (2'-3')	E312100-02A	Soil	12/05/23	12/14/23	Glass Jar, 2 oz.
BH-9 (4'-5')	E312100-03A	Soil	12/05/23	12/14/23	Glass Jar, 2 oz.
BH-9 (10')	E312100-04A	Soil	12/05/23	12/14/23	Glass Jar, 2 oz.
BH-9 (15')	E312100-05A	Soil	12/05/23	12/14/23	Glass Jar, 2 oz.
BH-9 (20')	E312100-06A	Soil	12/05/23	12/14/23	Glass Jar, 2 oz.
BH-9 (25')	E312100-07A	Soil	12/05/23	12/14/23	Glass Jar, 2 oz.
BH-9 (30')	E312100-08A	Soil	12/05/23	12/14/23	Glass Jar, 2 oz.
BH-9 (40')	E312100-09A	Soil	12/05/23	12/14/23	Glass Jar, 2 oz.
BH-9 (50')	E312100-10A	Soil	12/05/23	12/14/23	Glass Jar, 2 oz.

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4-1	
310 West Wall St. Suite 415	Project Number:	312100	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

BH-9 (0-1')

E312100-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Benzene	ND	0.0250	1	12/15/23	12/16/23	
Ethylbenzene	ND	0.0250	1	12/15/23	12/16/23	
Toluene	ND	0.0250	1	12/15/23	12/16/23	
o-Xylene	ND	0.0250	1	12/15/23	12/16/23	
p,m-Xylene	ND	0.0500	1	12/15/23	12/16/23	
Total Xylenes	ND	0.0250	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/23	12/15/23	
Surrogate: n-Nonane		*92.8 %*	*50-200*	*12/15/23*	*12/15/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350103
Chloride	**2380**	200	10	12/15/23	12/15/23	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4-1	
310 West Wall St. Suite 415	Project Number:	312100	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

BH-9 (2'-3')

E312100-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Benzene	ND	0.0250	1	12/15/23	12/16/23	
Ethylbenzene	ND	0.0250	1	12/15/23	12/16/23	
Toluene	ND	0.0250	1	12/15/23	12/16/23	
o-Xylene	ND	0.0250	1	12/15/23	12/16/23	
p,m-Xylene	ND	0.0500	1	12/15/23	12/16/23	
Total Xylenes	ND	0.0250	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/23	12/15/23	
Surrogate: n-Nonane		*90.3 %*	*50-200*	*12/15/23*	*12/15/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350103
Chloride	**2980**	200	10	12/15/23	12/15/23	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4-1	
310 West Wall St. Suite 415	Project Number:	312100	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

BH-9 (4'-5')

E312100-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Benzene	ND	0.0250	1	12/15/23	12/16/23	
Ethylbenzene	ND	0.0250	1	12/15/23	12/16/23	
Toluene	ND	0.0250	1	12/15/23	12/16/23	
o-Xylene	ND	0.0250	1	12/15/23	12/16/23	
p,m-Xylene	ND	0.0500	1	12/15/23	12/16/23	
Total Xylenes	ND	0.0250	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.0 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.0 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/23	12/15/23	
Surrogate: n-Nonane		*89.3 %*	*50-200*	*12/15/23*	*12/15/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350103
Chloride	**3340**	200	10	12/15/23	12/15/23	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4-1	
310 West Wall St. Suite 415	Project Number:	312100	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

BH-9 (10')

E312100-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Benzene	ND	0.0250	1	12/15/23	12/16/23	
Ethylbenzene	ND	0.0250	1	12/15/23	12/16/23	
Toluene	ND	0.0250	1	12/15/23	12/16/23	
o-Xylene	ND	0.0250	1	12/15/23	12/16/23	
p,m-Xylene	ND	0.0500	1	12/15/23	12/16/23	
Total Xylenes	ND	0.0250	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/23	12/15/23	
Surrogate: n-Nonane		*90.2 %*	*50-200*	*12/15/23*	*12/15/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350103
Chloride	**3170**	200	10	12/15/23	12/15/23	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4-1	
310 West Wall St. Suite 415	Project Number:	312100	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

BH-9 (15')

E312100-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Benzene	ND	0.0250	1	12/15/23	12/16/23	
Ethylbenzene	ND	0.0250	1	12/15/23	12/16/23	
Toluene	ND	0.0250	1	12/15/23	12/16/23	
o-Xylene	ND	0.0250	1	12/15/23	12/16/23	
p,m-Xylene	ND	0.0500	1	12/15/23	12/16/23	
Total Xylenes	ND	0.0250	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.7 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/23	12/15/23	
Surrogate: n-Nonane		*94.0 %*	*50-200*	*12/15/23*	*12/15/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350103
Chloride	**1530**	20.0	1	12/15/23	12/15/23	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4-1	
310 West Wall St. Suite 415	Project Number:	312100	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

BH-9 (20')

E312100-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Benzene	ND	0.0250	1	12/15/23	12/16/23	
Ethylbenzene	ND	0.0250	1	12/15/23	12/16/23	
Toluene	ND	0.0250	1	12/15/23	12/16/23	
o-Xylene	ND	0.0250	1	12/15/23	12/16/23	
p,m-Xylene	ND	0.0500	1	12/15/23	12/16/23	
Total Xylenes	ND	0.0250	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/23	12/15/23	
Surrogate: n-Nonane		*88.0 %*	*50-200*	*12/15/23*	*12/15/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350103
Chloride	**850**	40.0	2	12/15/23	12/15/23	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4-1	
310 West Wall St. Suite 415	Project Number:	312100	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

BH-9 (25')

E312100-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Benzene	ND	0.0250	1	12/15/23	12/16/23	
Ethylbenzene	ND	0.0250	1	12/15/23	12/16/23	
Toluene	ND	0.0250	1	12/15/23	12/16/23	
o-Xylene	ND	0.0250	1	12/15/23	12/16/23	
p,m-Xylene	ND	0.0500	1	12/15/23	12/16/23	
Total Xylenes	ND	0.0250	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/23	12/15/23	
Surrogate: n-Nonane		*93.1 %*	*50-200*	*12/15/23*	*12/15/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350103
Chloride	**471**	20.0	1	12/15/23	12/15/23	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4-1	
310 West Wall St. Suite 415	Project Number:	312100	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

BH-9 (30')

E312100-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Benzene	ND	0.0250	1	12/15/23	12/16/23	
Ethylbenzene	ND	0.0250	1	12/15/23	12/16/23	
Toluene	ND	0.0250	1	12/15/23	12/16/23	
o-Xylene	ND	0.0250	1	12/15/23	12/16/23	
p,m-Xylene	ND	0.0500	1	12/15/23	12/16/23	
Total Xylenes	ND	0.0250	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/23	12/15/23	
Surrogate: n-Nonane		*88.5 %*	*50-200*	*12/15/23*	*12/15/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350103
Chloride	**566**	20.0	1	12/15/23	12/15/23	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4-1	
310 West Wall St. Suite 415	Project Number:	312100	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

BH-9 (40')

E312100-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Benzene	ND	0.0250	1	12/15/23	12/16/23	
Ethylbenzene	ND	0.0250	1	12/15/23	12/16/23	
Toluene	ND	0.0250	1	12/15/23	12/16/23	
o-Xylene	ND	0.0250	1	12/15/23	12/16/23	
p,m-Xylene	ND	0.0500	1	12/15/23	12/16/23	
Total Xylenes	ND	0.0250	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/23	12/15/23	
Surrogate: n-Nonane		*87.4 %*	*50-200*	*12/15/23*	*12/15/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350103
Chloride	**192**	20.0	1	12/15/23	12/15/23	

Sample Data

Carmona Resources	Project Name:	Hawkins GY #4-1	
310 West Wall St. Suite 415	Project Number:	312100	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

BH-9 (50')

E312100-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Benzene	ND	0.0250	1	12/15/23	12/16/23	
Ethylbenzene	ND	0.0250	1	12/15/23	12/16/23	
Toluene	ND	0.0250	1	12/15/23	12/16/23	
o-Xylene	ND	0.0250	1	12/15/23	12/16/23	
p,m-Xylene	ND	0.0500	1	12/15/23	12/16/23	
Total Xylenes	ND	0.0250	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350099
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/23	12/16/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*12/15/23*	*12/16/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/15/23*	*12/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/23	12/15/23	
Surrogate: n-Nonane		*84.0 %*	*50-200*	*12/15/23*	*12/15/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350103
Chloride	**154**	20.0	1	12/15/23	12/15/23	

QC Summary Data

Carmona Resources	Project Name:	Hawkins GY #4-1	**Reported:**
310 West Wall St. Suite 415	Project Number:	312100	
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2350099-BLK1)									Prepared: 12/15/23 Analyzed: 12/15/23
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	*0.524*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: Toluene-d8	*0.543*		*0.500*		*109*	*70-130*			
LCS (2350099-BS1)									Prepared: 12/15/23 Analyzed: 12/15/23
Benzene	2.56	0.0250	2.50		102	70-130			
Ethylbenzene	2.64	0.0250	2.50		105	70-130			
Toluene	2.59	0.0250	2.50		104	70-130			
o-Xylene	2.58	0.0250	2.50		103	70-130			
p,m-Xylene	5.12	0.0500	5.00		102	70-130			
Total Xylenes	7.71	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
Matrix Spike (2350099-MS1)				**Source: E312098-06**					Prepared: 12/15/23 Analyzed: 12/16/23
Benzene	2.95	0.0250	2.50	ND	118	48-131			
Ethylbenzene	2.78	0.0250	2.50	ND	111	45-135			
Toluene	2.83	0.0250	2.50	ND	113	48-130			
o-Xylene	2.70	0.0250	2.50	ND	108	43-135			
p,m-Xylene	5.43	0.0500	5.00	ND	109	43-135			
Total Xylenes	8.13	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	*0.530*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2350099-MSD1)				**Source: E312098-06**					Prepared: 12/15/23 Analyzed: 12/16/23
Benzene	2.93	0.0250	2.50	ND	117	48-131	0.612	23	
Ethylbenzene	2.77	0.0250	2.50	ND	111	45-135	0.379	27	
Toluene	2.79	0.0250	2.50	ND	112	48-130	1.44	24	
o-Xylene	2.72	0.0250	2.50	ND	109	43-135	0.977	27	
p,m-Xylene	5.47	0.0500	5.00	ND	109	43-135	0.642	27	
Total Xylenes	8.19	0.0250	7.50	ND	109	43-135	0.754	27	
Surrogate: Bromofluorobenzene	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			

QC Summary Data

Carmona Resources	Project Name:	Hawkins GY #4-1	**Reported:**
310 West Wall St. Suite 415	Project Number:	312100	
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2350099-BLK1)									Prepared: 12/15/23 Analyzed: 12/15/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.524*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: Toluene-d8	*0.543*		*0.500*		*109*	*70-130*			
LCS (2350099-BS2)									Prepared: 12/15/23 Analyzed: 12/16/23
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.5	70-130			
Surrogate: Bromofluorobenzene	*0.524*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.557*		*0.500*		*111*	*70-130*			
Matrix Spike (2350099-MS2)				**Source: E312098-06**					Prepared: 12/15/23 Analyzed: 12/16/23
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130			
Surrogate: Bromofluorobenzene	*0.527*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.471*		*0.500*		*94.2*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
Matrix Spike Dup (2350099-MSD2)				**Source: E312098-06**					Prepared: 12/15/23 Analyzed: 12/16/23
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.0	70-130	5.41	20	
Surrogate: Bromofluorobenzene	*0.516*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*97.0*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			

QC Summary Data

Carmona Resources	Project Name:	Hawkins GY #4-1	**Reported:**
310 West Wall St. Suite 415	Project Number:	312100	
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2350098-BLK1)									Prepared: 12/15/23 Analyzed: 12/15/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.1*		*50.0*		*96.2*	*50-200*			
LCS (2350098-BS1)									Prepared: 12/15/23 Analyzed: 12/15/23
Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	*46.6*		*50.0*		*93.2*	*50-200*			
Matrix Spike (2350098-MS1)				**Source: E312100-04**					Prepared: 12/15/23 Analyzed: 12/15/23
Diesel Range Organics (C10-C28)	269	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	*52.8*		*50.0*		*106*	*50-200*			
Matrix Spike Dup (2350098-MSD1)				**Source: E312100-04**					Prepared: 12/15/23 Analyzed: 12/15/23
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132	3.00	20	
Surrogate: n-Nonane	*48.3*		*50.0*		*96.6*	*50-200*			

QC Summary Data

Carmona Resources	Project Name:	Hawkins GY #4-1	**Reported:**
310 West Wall St. Suite 415	Project Number:	312100	
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/2023 3:35:35PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2350103-BLK1)									Prepared: 12/15/23 Analyzed: 12/15/23
Chloride	ND	20.0							
LCS (2350103-BS1)									Prepared: 12/15/23 Analyzed: 12/15/23
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2350103-MS1)				**Source: E312100-02**					Prepared: 12/15/23 Analyzed: 12/15/23
Chloride	3270	200	250	2980	118	80-120			
Matrix Spike Dup (2350103-MSD1)				**Source: E312100-02**					Prepared: 12/15/23 Analyzed: 12/15/23
Chloride	3040	200	250	2980	25.5	80-120	7.34	20	M4

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:	Hawkins GY #4-1	
310 West Wall St. Suite 415	Project Number:	312100	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/19/23 15:35

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.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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: E312100
Job# 22113-000

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	Silverback Operating.
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:	Hawkins GY #4	Turn Around	
Project Number:	1123	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date:	Standard
Sampler's Name:	CCM		
PO #:			

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

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
BH-9 (0-1')	12/5/2023		X		G	1	X	X	X	1
BH-9 (2'-3')	12/5/2023		X		G	1	X	X	X	2
BH-9 (4'-5')	12/5/2023		X		G	1	X	X	X	3
BH-9 (10')	12/5/2023		X		G	1	X	X	X	4
BH-9 (15')	12/5/2023		X		G	1	X	X	X	5
BH-9 (20')	12/5/2023		X		G	1	X	X	X	6
BH-9 (25')	12/5/2023		X		G	1	X	X	X	7
BH-9 (30')	12/5/2023		X		G	1	X	X	X	8
BH-9 (40')	12/5/2023		X		G	1	X	X	X	9
BH-9 (50')	12/5/2023		X		G	1	X	X	X	10

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring	12/13/23 1300	Caroline Parker	12-13-2023 1300
Caroline Parker	12-13-23 1430		12/14/23 830

Envirotech Analytical Laboratory

Printed: 12/14/2023 10:44:49AM

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:	12/14/23 08:30	Work Order ID:	E312100
Phone:	(432) 813-6823	Date Logged In:	12/14/23 10:37	Logged In By:	Alexa Michaels
Email:	cmoehring@carmonaresouces.com	Due Date:	12/19/23 17:00 (3 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: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
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?	Yes	

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 is not documented on COC by client.

Client Instruction

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

Date

envirotech Inc.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/10/2024 11:28:46 AM

JOB DESCRIPTION

Hawkins GY #4
Eddy County, New Mexico

JOB NUMBER

880-37245-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

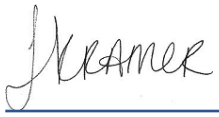
Eurofins Midland

Job Notes

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

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

Authorization



Generated
1/10/2024 11:28:46 AM

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

Client: Carmona Resources
Project/Site: Hawkins GY #4

Laboratory Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

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

Glossary

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Hawkins GY #4

Job ID: 880-37245-1

Job ID: 880-37245-1 Eurofins Midland

Job Narrative
880-37245-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The sample was received on 12/21/2023 3:20 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C

GC/MS VOA
Method 8260D: The surrogate Toluene-d8 (Surr) recovery for the blank associated with analytical batch 860-136452 was outside the upper control limits.

Method 8260D: Internal standard 1,4-Dichlobenzene-d4 (ISTD) response for <AffectedAnalytes> for the following samples in analytical batch 860-136452 was outside acceptance criteria: T-GW (880-37245-1) and (MB 860-136452/8). This ISTD does not correspond to any of the requested target compounds reported from this analytical batch; therefore, the data have been reported.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-136452 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-136275 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) recovery was within acceptance limits.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: T-GW (880-37245-1). Elevated reporting limits (RLs) are provided.

Method 300_ORGFMS: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-136276 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample /laboratory control sample duplicate (LCS/LCSD) recovery is within acceptance limits.

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

Metals
Method 200.7: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-139740 and analytical batch 860-139896 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Hawkins GY #4

Job ID: 880-37245-1

Job ID: 880-37245-1 (Continued)

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Client Sample ID: T-GW

Date Collected: 12/20/23 16:30
Date Received: 12/21/23 15:20

Lab Sample ID: 880-37245-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/L			12/22/23 22:39	1
Toluene	<0.00100	U	0.00100		mg/L			12/22/23 22:39	1
Ethylbenzene	<0.00100	U	0.00100		mg/L			12/22/23 22:39	1
m,p-Xylenes	<0.0100	U	0.0100		mg/L			12/22/23 22:39	1
o-Xylene	<0.00100	U	0.00100		mg/L			12/22/23 22:39	1
Xylenes, Total	<0.0100	U	0.0100		mg/L			12/22/23 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 144*		*12/22/23 22:39*	*1*
4-Bromofluorobenzene (Surr)	*123*	*3	*74 - 124*		*12/22/23 22:39*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 131*		*12/22/23 22:39*	*1*
Toluene-d8 (Surr)	*119*		*80 - 120*		*12/22/23 22:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0100	U	0.0100		mg/L			12/22/23 22:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<4.66	U	4.66		mg/L			12/29/23 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<4.66	U	4.66		mg/L		12/28/23 08:06	12/29/23 20:41	1
Diesel Range Organics (Over C10-C28)	<4.66	U	4.66		mg/L		12/28/23 08:06	12/29/23 20:41	1
OII Range Organics (Over C28-C36)	<4.66	U	4.66		mg/L		12/28/23 08:06	12/29/23 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 135*	*12/28/23 08:06*	*12/29/23 20:41*	*1*
o-Terphenyl	*76*		*70 - 135*	*12/28/23 08:06*	*12/29/23 20:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.2**		0.500		mg/L			12/22/23 15:45	1
Nitrate as N	**0.745**		0.100		mg/L			12/22/23 15:45	1
Fluoride	**0.744**		0.500		mg/L			12/22/23 15:45	1
Nitrite as N	**0.113**		0.100		mg/L			12/22/23 15:45	1
Sulfate	**530**		5.00		mg/L			12/22/23 15:58	10

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**215**		10.0		mg/L		01/09/24 00:26	01/09/24 16:26	50
Magnesium	**51.1**		0.200		mg/L		01/09/24 00:26	01/09/24 16:21	1
Potassium	**2.18**		0.500		mg/L		01/09/24 00:26	01/09/24 16:21	1
Sodium	**29.3**		0.500		mg/L		01/09/24 00:26	01/09/24 16:21	1
SiO2	**44.9**		1.07		mg/L		01/09/24 00:26	01/09/24 16:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anion/Cation Balance (SM 1030E)	**-6.92**				%			01/10/24 12:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Client Sample ID: T-GW

Date Collected: 12/20/23 16:30
Date Received: 12/21/23 15:20

Lab Sample ID: 880-37245-1

Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**170**		4.00		mg/L			12/27/23 12:20	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**170**		4.00		mg/L			12/27/23 12:20	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.00	U	4.00		mg/L			12/27/23 12:20	1
Hydroxide Alkalinity (SM 2320B)	<4.00	U	4.00		mg/L			12/27/23 12:20	1
Phenolphthalein Alkalinity (SM 2320B)	<4.00	U	4.00		mg/L			12/27/23 12:20	1
Specific Conductance (SM 2510B)	**1510**		10.0		umho/cm @ 25C			12/28/23 10:48	1
Total Dissolved Solids (SM 2540C)	**1190**		10.0		mg/L			12/27/23 13:41	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Method: 8260D - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-120)
860-64097-E-2 MS	Matrix Spike	111	89	96	99
880-37245-1	T-GW	97	123 *3	100	119
LCS 860-136452/3	Lab Control Sample	100	92	96	98
LCSD 860-136452/4	Lab Control Sample Dup	110	93	97	99
MB 860-136452/8	Method Blank	96	130 *3 S1+	88	123 S1+

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-135)	(70-135)
880-37245-1	T-GW	81	76
LCS 860-138133/2-A	Lab Control Sample	112	84
LCSD 860-138133/3-A	Lab Control Sample Dup	107	79
MB 860-138133/1-A	Method Blank	83	79

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-136452/8
Matrix: Water
Analysis Batch: 136452

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/L			12/22/23 15:49	1
Toluene	<0.00100	U	0.00100		mg/L			12/22/23 15:49	1
Ethylbenzene	<0.00100	U	0.00100		mg/L			12/22/23 15:49	1
m,p-Xylenes	<0.0100	U	0.0100		mg/L			12/22/23 15:49	1
o-Xylene	<0.00100	U	0.00100		mg/L			12/22/23 15:49	1
Xylenes, Total	<0.0100	U	0.0100		mg/L			12/22/23 15:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 144*		*12/22/23 15:49*	*1*
4-Bromofluorobenzene (Surr)	*130*	**3 S1+*	*74 - 124*		*12/22/23 15:49*	*1*
Dibromofluoromethane (Surr)	*88*		*75 - 131*		*12/22/23 15:49*	*1*
Toluene-d8 (Surr)	*123*	*S1+*	*80 - 120*		*12/22/23 15:49*	*1*

Lab Sample ID: LCS 860-136452/3
Matrix: Water
Analysis Batch: 136452

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.05415		mg/L		108	75 - 125		
Toluene			0.0500	0.05075		mg/L		101	70 - 130		
Ethylbenzene			0.0500	0.05272		mg/L		105	75 - 125		
m,p-Xylenes			0.0500	0.05117		mg/L		102	75 - 125		
o-Xylene			0.0500	0.05389		mg/L		108	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*
4-Bromofluorobenzene (Surr)	*92*		*74 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 131*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 860-136452/4
Matrix: Water
Analysis Batch: 136452

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.04958		mg/L		99	75 - 125	9	25
Toluene			0.0500	0.04591		mg/L		92	70 - 130	10	25
Ethylbenzene			0.0500	0.04678		mg/L		94	75 - 125	12	25
m,p-Xylenes			0.0500	0.04536		mg/L		91	75 - 125	12	25
o-Xylene			0.0500	0.04869		mg/L		97	75 - 125	10	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*63 - 144*
4-Bromofluorobenzene (Surr)	*93*		*74 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

QC Sample Results

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 860-64097-E-2 MS
Matrix: Water
Analysis Batch: 136452

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00100	U	0.0500	0.05287		mg/L		105	66 - 142
Toluene	<0.00100	U	0.0500	0.05007		mg/L		99	59 - 139
Ethylbenzene	0.0347	F1	0.0500	0.09833	F1	mg/L		127	75 - 125
m,p-Xylenes	0.0179		0.0500	0.06853		mg/L		101	75 - 125
o-Xylene	0.00109		0.0500	0.05302		mg/L		104	75 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*63 - 144*
4-Bromofluorobenzene (Surr)	*89*		*74 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 860-138133/1-A
Matrix: Water
Analysis Batch: 138216

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 138133

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<5.00	U	5.00		mg/L		12/28/23 08:06	12/28/23 19:22	1
Diesel Range Organics (Over C10-C28)	<5.00	U	5.00		mg/L		12/28/23 08:06	12/28/23 19:22	1
OII Range Organics (Over C28-C36)	<5.00	U	5.00		mg/L		12/28/23 08:06	12/28/23 19:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 135*	*12/28/23 08:06*	*12/28/23 19:22*	*1*
o-Terphenyl	*79*		*70 - 135*	*12/28/23 08:06*	*12/28/23 19:22*	*1*

Lab Sample ID: LCS 860-138133/2-A
Matrix: Water
Analysis Batch: 138216

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 138133

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	100	102.5		mg/L		103	70 - 135
Diesel Range Organics (Over C10-C28)	100	97.09		mg/L		97	70 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*112*		*70 - 135*
o-Terphenyl	*84*		*70 - 135*

QC Sample Results

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 860-138133/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 138216 — **Prep Batch: 138133**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			100	104.3		mg/L		104	70 - 135	2	35
Diesel Range Organics (Over C10-C28)			100	93.52		mg/L		94	70 - 135	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 135*
o-Terphenyl	*79*		*70 - 135*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-136275/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 136275

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500		mg/L			12/21/23 17:10	1
Fluoride	<0.500	U	0.500		mg/L			12/21/23 17:10	1
Sulfate	<0.500	U	0.500		mg/L			12/21/23 17:10	1

Lab Sample ID: MB 860-136275/99 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 136275

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500		mg/L			12/22/23 10:13	1
Fluoride	<0.500	U	0.500		mg/L			12/22/23 10:13	1
Sulfate	<0.500	U	0.500		mg/L			12/22/23 10:13	1

Lab Sample ID: LCS 860-136275/100 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 136275

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			5.00	4.815		mg/L		96	90 - 110		
Fluoride			5.00	5.038		mg/L		101	90 - 110		
Sulfate			5.00	4.696		mg/L		94	90 - 110		

Lab Sample ID: LCSD 860-136275/101 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 136275

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			5.00	4.740		mg/L		95	90 - 110	2	20
Fluoride			5.00	4.937		mg/L		99	90 - 110	2	20
Sulfate			5.00	4.616		mg/L		92	90 - 110	2	20

QC Sample Results

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-136275/7
Matrix: Water
Analysis Batch: 136275

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.500	0.5109		mg/L		102	50 - 150		
Fluoride			0.500	0.4637	J	mg/L		93	50 - 150		
Sulfate			0.500	0.3901	J	mg/L		78	50 - 150		

Lab Sample ID: 860-63811-A-7 MS
Matrix: Water
Analysis Batch: 136275

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	66.3		5.00	71.15	4	mg/L		97	90 - 110		
Fluoride	4.90		5.00	9.817		mg/L		98	90 - 110		
Sulfate	419		5.00	418.3	4	mg/L		-17	90 - 110		

Lab Sample ID: 860-63811-A-7 MSD
Matrix: Water
Analysis Batch: 136275

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	66.3		5.00	71.23	4	mg/L		99	90 - 110	0	15
Fluoride	4.90		5.00	9.874		mg/L		100	90 - 110	1	15
Sulfate	419		5.00	418.9	4	mg/L		-6	90 - 110	0	15

Lab Sample ID: MB 860-136276/3
Matrix: Water
Analysis Batch: 136276

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.100	U	0.100		mg/L			12/21/23 17:10	1
Nitrite as N	<0.100	U	0.100		mg/L			12/21/23 17:10	1

Lab Sample ID: MB 860-136276/99
Matrix: Water
Analysis Batch: 136276

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.100	U	0.100		mg/L			12/22/23 10:13	1
Nitrite as N	<0.100	U	0.100		mg/L			12/22/23 10:13	1

Lab Sample ID: LCS 860-136276/100
Matrix: Water
Analysis Batch: 136276

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			5.00	4.787		mg/L		96	80 - 120		
Nitrite as N			5.00	4.728		mg/L		95	80 - 120		

QC Sample Results

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 860-136276/101
Matrix: Water
Analysis Batch: 136276

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N			5.00	4.698		mg/L		94	80 - 120	2	20
Nitrite as N			5.00	4.632		mg/L		93	80 - 120	2	20

Lab Sample ID: LLCS 860-136276/6
Matrix: Water
Analysis Batch: 136276

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			0.100	0.1216		mg/L		122	50 - 150		
Nitrite as N			0.100	0.1085		mg/L		109	50 - 150		

Lab Sample ID: 860-63811-A-7 MS
Matrix: Water
Analysis Batch: 136276

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	0.880	^2	5.00	5.887		mg/L		100	80 - 120		
Nitrite as N	<0.100	U F1	1.25	1.601	F1	mg/L		125	80 - 120		

Lab Sample ID: 860-63811-A-7 MSD
Matrix: Water
Analysis Batch: 136276

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.880	^2	5.00	6.128		mg/L		105	80 - 120	4	15
Nitrite as N	<0.100	U F1	1.25	1.605	F1	mg/L		125	80 - 120	0	15

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-139740/1-A
Matrix: Water
Analysis Batch: 139896

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 139740

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.200	U	0.200		mg/L		01/09/24 00:26	01/09/24 14:33	1
Magnesium	<0.200	U	0.200		mg/L		01/09/24 00:26	01/09/24 14:33	1
Potassium	<0.500	U	0.500		mg/L		01/09/24 00:26	01/09/24 14:33	1
Sodium	<0.500	U	0.500		mg/L		01/09/24 00:26	01/09/24 14:33	1
SiO2	<1.07	U	1.07		mg/L		01/09/24 00:26	01/09/24 14:33	1

Lab Sample ID: LCS 860-139740/2-A
Matrix: Water
Analysis Batch: 139896

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 139740

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			25.0	25.50		mg/L		102	85 - 115		
Magnesium			25.0	23.90		mg/L		96	85 - 115		
Potassium			10.0	10.00		mg/L		100	85 - 115		
Sodium			25.0	25.50		mg/L		102	85 - 115		
SiO2			21.4	21.83		mg/L		102	85 - 115		

QC Sample Results

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: LCSD 860-139740/3-A
Matrix: Water
Analysis Batch: 139896

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 139740

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			25.0	25.50		mg/L		102	85 - 115	0	20
Magnesium			25.0	23.90		mg/L		96	85 - 115	0	20
Potassium			10.0	10.00		mg/L		100	85 - 115	0	20
Sodium			25.0	25.50		mg/L		102	85 - 115	0	20
SiO2			21.4	22.04		mg/L		103	85 - 115	1	20

Lab Sample ID: LLCS 860-139740/4-A
Matrix: Water
Analysis Batch: 139896

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 139740

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium			0.200	0.1590	J	mg/L		80	50 - 150
Magnesium			0.200	0.1910	J	mg/L		96	50 - 150
Potassium			0.500	0.4330	J	mg/L		87	50 - 150
Sodium			0.500	0.5330		mg/L		107	50 - 150
SiO2			1.07	1.021	J	mg/L		95	50 - 150

Lab Sample ID: 860-64290-B-3-B MS
Matrix: Water
Analysis Batch: 139896

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 139740

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	19.2		25.0	38.70		mg/L		78	70 - 130
Magnesium	2.01		25.0	21.60		mg/L		78	70 - 130
Potassium	0.583		10.0	8.920		mg/L		83	70 - 130
Sodium	2.76		25.0	23.70		mg/L		84	70 - 130
SiO2	<1.07	U	21.4	19.94		mg/L		89	70 - 130

Lab Sample ID: 860-64290-B-3-C MSD
Matrix: Water
Analysis Batch: 139896

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 139740

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	19.2		25.0	39.30		mg/L		80	70 - 130	2	20
Magnesium	2.01		25.0	21.80		mg/L		79	70 - 130	1	20
Potassium	0.583		10.0	9.000		mg/L		84	70 - 130	1	20
Sodium	2.76		25.0	23.90		mg/L		85	70 - 130	1	20
SiO2	<1.07	U	21.4	20.12		mg/L		90	70 - 130	1	20

Lab Sample ID: 860-64408-B-2-B MS ^50
Matrix: Water
Analysis Batch: 139896

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 139740

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	234		25.0	225.0	4	mg/L		-34	70 - 130
Magnesium	<10.0	U	25.0	24.40		mg/L		98	70 - 130
Potassium	26.1	F1	10.0	32.95	F1	mg/L		69	70 - 130
Sodium	4790		25.0	4140	4	mg/L		-2580	70 - 130
SiO2	<53.5	U	21.4	<53.5	U	mg/L		NC	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 860-64408-B-2-C MSD ^50
Matrix: Water
Analysis Batch: 139896

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 139740

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	234		25.0	227.0	4	mg/L		-26	70 - 130	1	20
Magnesium	<10.0	U	25.0	24.70		mg/L		99	70 - 130	1	20
Potassium	26.1	F1	10.0	34.00		mg/L		79	70 - 130	3	20
Sodium	4790		25.0	4175	4	mg/L		-2440	70 - 130	1	20
SiO2	<53.5	U	21.4	<53.5	U	mg/L		NC	70 - 130	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-137020/3
Matrix: Water
Analysis Batch: 137020

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00		mg/L			12/27/23 10:02	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00		mg/L			12/27/23 10:02	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00		mg/L			12/27/23 10:02	1
Hydroxide Alkalinity	<4.00	U	4.00		mg/L			12/27/23 10:02	1
Phenolphthalein Alkalinity	<4.00	U	4.00		mg/L			12/27/23 10:02	1

Lab Sample ID: LCS 860-137020/4
Matrix: Water
Analysis Batch: 137020

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			250	243.4		mg/L		97	85 - 115		

Lab Sample ID: LCSD 860-137020/5
Matrix: Water
Analysis Batch: 137020

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity			250	242.6		mg/L		97	85 - 115	0	20

Lab Sample ID: 560-114792-AK-1 DU
Matrix: Water
Analysis Batch: 137020

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	524			519.2		mg/L				0.9	20
Bicarbonate Alkalinity as CaCO3	444			440.4		mg/L				0.9	20
Carbonate Alkalinity as CaCO3	79.4			78.87		mg/L				0.7	20
Hydroxide Alkalinity	<4.00	U		<4.00	U	mg/L				NC	20
Phenolphthalein Alkalinity	39.7			39.44		mg/L				0.7	20

QC Sample Results

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 860-138338/29
Matrix: Water
Analysis Batch: 138338

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<10.0	U	10.0		umho/cm @ 25C			12/28/23 10:46	1

Lab Sample ID: 860-64365-A-1 DU
Matrix: Water
Analysis Batch: 138338

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	3900			3890		umho/cm @ 25C				0.3	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 860-136961/1
Matrix: Water
Analysis Batch: 136961

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.00	U	5.00		mg/L			12/27/23 13:41	1

Lab Sample ID: LCS 860-136961/2
Matrix: Water
Analysis Batch: 136961

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	1002		mg/L		100	80 - 120		

Lab Sample ID: LCSD 860-136961/3
Matrix: Water
Analysis Batch: 136961

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			1000	1001		mg/L		100	80 - 120	0	10

Lab Sample ID: LLCS 860-136961/4
Matrix: Water
Analysis Batch: 136961

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			5.00	5.000		mg/L		100	50 - 150		

Lab Sample ID: 880-37245-1 DU
Matrix: Water
Analysis Batch: 136961

Client Sample ID: T-GW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1190			1152		mg/L				3	10

QC Association Summary

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

GC/MS VOA

Analysis Batch: 136452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37245-1	T-GW	Total/NA	Water	8260D	
MB 860-136452/8	Method Blank	Total/NA	Water	8260D	
LCS 860-136452/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 860-136452/4	Lab Control Sample Dup	Total/NA	Water	8260D	
860-64097-E-2 MS	Matrix Spike	Total/NA	Water	8260D	

Analysis Batch: 138895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37245-1	T-GW	Total/NA	Water	Total BTEX	

GC Semi VOA

Analysis Batch: 130308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37245-1	T-GW	Total/NA	Water	8015 NM	

Prep Batch: 138133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37245-1	T-GW	Total/NA	Water	8015NM Aq Prep	
MB 860-138133/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 860-138133/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 860-138133/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 138216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-138133/1-A	Method Blank	Total/NA	Water	8015B NM	138133
LCS 860-138133/2-A	Lab Control Sample	Total/NA	Water	8015B NM	138133
LCSD 860-138133/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	138133

Analysis Batch: 138579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37245-1	T-GW	Total/NA	Water	8015B NM	138133

HPLC/IC

Analysis Batch: 136275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37245-1	T-GW	Total/NA	Water	300.0	
880-37245-1	T-GW	Total/NA	Water	300.0	
MB 860-136275/3	Method Blank	Total/NA	Water	300.0	
MB 860-136275/99	Method Blank	Total/NA	Water	300.0	
LCS 860-136275/100	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-136275/101	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-136275/7	Lab Control Sample	Total/NA	Water	300.0	
860-63811-A-7 MS	Matrix Spike	Total/NA	Water	300.0	
860-63811-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 136276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37245-1	T-GW	Total/NA	Water	300.0	
MB 860-136276/3	Method Blank	Total/NA	Water	300.0	
MB 860-136276/99	Method Blank	Total/NA	Water	300.0	

QC Association Summary

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 136276 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-136276/100	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-136276/101	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-136276/6	Lab Control Sample	Total/NA	Water	300.0	
860-63811-A-7 MS	Matrix Spike	Total/NA	Water	300.0	
860-63811-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 139740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37245-1	T-GW	Total Recoverable	Water	200.7	
MB 860-139740/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 860-139740/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 860-139740/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	
LLCS 860-139740/4-A	Lab Control Sample	Total Recoverable	Water	200.7	
860-64290-B-3-B MS	Matrix Spike	Total Recoverable	Water	200.7	
860-64290-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7	
860-64408-B-2-B MS ^50	Matrix Spike	Total Recoverable	Water	200.7	
860-64408-B-2-C MSD ^50	Matrix Spike Duplicate	Total Recoverable	Water	200.7	

Analysis Batch: 139896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37245-1	T-GW	Total Recoverable	Water	200.7 Rev 4.4	139740
880-37245-1	T-GW	Total Recoverable	Water	200.7 Rev 4.4	139740
MB 860-139740/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	139740
LCS 860-139740/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	139740
LCSD 860-139740/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	139740
LLCS 860-139740/4-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	139740
860-64290-B-3-B MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	139740
860-64290-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	139740
860-64408-B-2-B MS ^50	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	139740
860-64408-B-2-C MSD ^50	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	139740

General Chemistry

Analysis Batch: 136687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37245-1	T-GW	Total/NA	Water	SM 1030E	

Analysis Batch: 136961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37245-1	T-GW	Total/NA	Water	SM 2540C	
MB 860-136961/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-136961/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-136961/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
LLCS 860-136961/4	Lab Control Sample	Total/NA	Water	SM 2540C	
880-37245-1 DU	T-GW	Total/NA	Water	SM 2540C	

Analysis Batch: 137020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37245-1	T-GW	Total/NA	Water	SM 2320B	
MB 860-137020/3	Method Blank	Total/NA	Water	SM 2320B	

QC Association Summary

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

General Chemistry (Continued)

Analysis Batch: 137020 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-137020/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-137020/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
560-114792-AK-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 138338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37245-1	T-GW	Total/NA	Water	SM 2510B	
MB 860-138338/29	Method Blank	Total/NA	Water	SM 2510B	
LCS 860-138338/30	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 860-138338/31	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
860-64365-A-1 DU	Duplicate	Total/NA	Water	SM 2510B	

Lab Chronicle

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Client Sample ID: T-GW

Date Collected: 12/20/23 16:30
Date Received: 12/21/23 15:20

Lab Sample ID: 880-37245-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	136452	12/22/23 22:39	AN	EET HOU
Total/NA	Analysis	Total BTEX		1			138895	12/22/23 22:39	AN	EET HOU
Total/NA	Analysis	8015 NM		1			130308	12/29/23 20:41	ELJ	EET HOU
Total/NA	Prep	8015NM Aq Prep			32.2 mL	3 mL	138133	12/28/23 08:06	BNW	EET HOU
Total/NA	Analysis	8015B NM		1			138579	12/29/23 20:41	TTD	EET HOU
Total/NA	Analysis	300.0		1			136275	12/22/23 15:45	A1S	EET HOU
Total/NA	Analysis	300.0		1			136276	12/22/23 15:45	A1S	EET HOU
Total/NA	Analysis	300.0		10			136275	12/22/23 15:58	A1S	EET HOU
Total Recoverable	Prep	200.7			50 mL	50 mL	139740	01/09/24 00:26	AGR	EET HOU
Total Recoverable	Analysis	200.7 Rev 4.4		1			139896	01/09/24 16:21	JDM	EET HOU
Total Recoverable	Prep	200.7			50 mL	50 mL	139740	01/09/24 00:26	AGR	EET HOU
Total Recoverable	Analysis	200.7 Rev 4.4		50			139896	01/09/24 16:26	JDM	EET HOU
Total/NA	Analysis	SM 1030E		1			136687	01/10/24 12:21	MC	EET HOU
Total/NA	Analysis	SM 2320B		1			137020	12/27/23 12:20	KEG	EET HOU
Total/NA	Analysis	SM 2510B		1			138338	12/28/23 10:48	KEG	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	136961	12/27/23 13:41	ADL	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-24
Louisiana (All)	NELAP	03054	06-30-24
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215-23-53	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Method Summary

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET HOU
Total BTEX	Total BTEX Calculation	TAL SOP	EET HOU
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET HOU
200.7 Rev 4.4	Metals (ICP)	EPA	EET HOU
SM 1030E	Cation Anion Balance	SM	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2510B	Conductivity, Specific Conductance	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET HOU
200.7	Preparation, Total Recoverable Metals	EPA	EET HOU
5030C	Purge and Trap	SW846	EET HOU
8015NM Aq Prep	Microextraction	SW846	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: Carmona Resources
Project/Site: Hawkins GY #4

Job ID: 880-37245-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-37245-1	T-GW	Water	12/20/23 16:30	12/21/23 15:20

Chain of Custody

880-37245 Chain of Custody

Page 1 of 1

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:	Hawkins GY #4	Turn Around	
Project Number:	1123	☑ Routine ☐ Rush	
Project Location:	Eddy County, New Mexico	Due Date	Standard
Sampler's Name:	CCM		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	TM8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.0	
Total Containers:		Corrected Temperature:	5.2	

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	Anions	Cations	Sample Comments
T-GW	12/20/2023	16 30		X	-	10		X	X	X	X	X	

Comments:

Relinquished by (Signature)	Date/Time	Received by: (Signature)	Date/Time
Ariana Arias	12-21-23 1520		

Eurofins Midland
1211 W Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 880-8754.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 880-37245-1
Address: 4145 Greenbriar Dr	Due Date Requested: 1/2/2024			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Hawkins GY #4	Project #: 88001612			
Site:	SSOW#:			

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/8030C BTEX	Total_BTEX	8015MOD_NM/8015NM_Aq_Prep Full TPH	8015MOD_Calc	300_ORGFM_28D/ (MOD) Custom List	300_ORGFMSI Nitrate and Nitrite as N	200.7/200.7_P_TR (MOD) Custom List	2510B/ Specific Conductance	2540C_Calcd	2320B	Cation_Anion		Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X														
T-GW (880-37245-1)	12/20/23	16:30 Mountain		Water			X	X	X	X	X	X	X	X	X	X	X		6	

Temp 3.0 IR ID HOU-369
C/F -0.0
Corrected Temp: 3.0

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by: Fedex	Date/Time:	Company
Relinquished by: Fedex	Date/Time:	Company	Received by:	Date/Time: 12/22 1:21pm	Company
Relinquished by:	*Date/Time:*	*Company*	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-37245-1
SDG Number: Eddy County, New Mexico

Login Number: 37245
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-37245-1
SDG Number: Eddy County, New Mexico

Login Number: 37245
List Number: 2
Creator: Garcia, Yailet

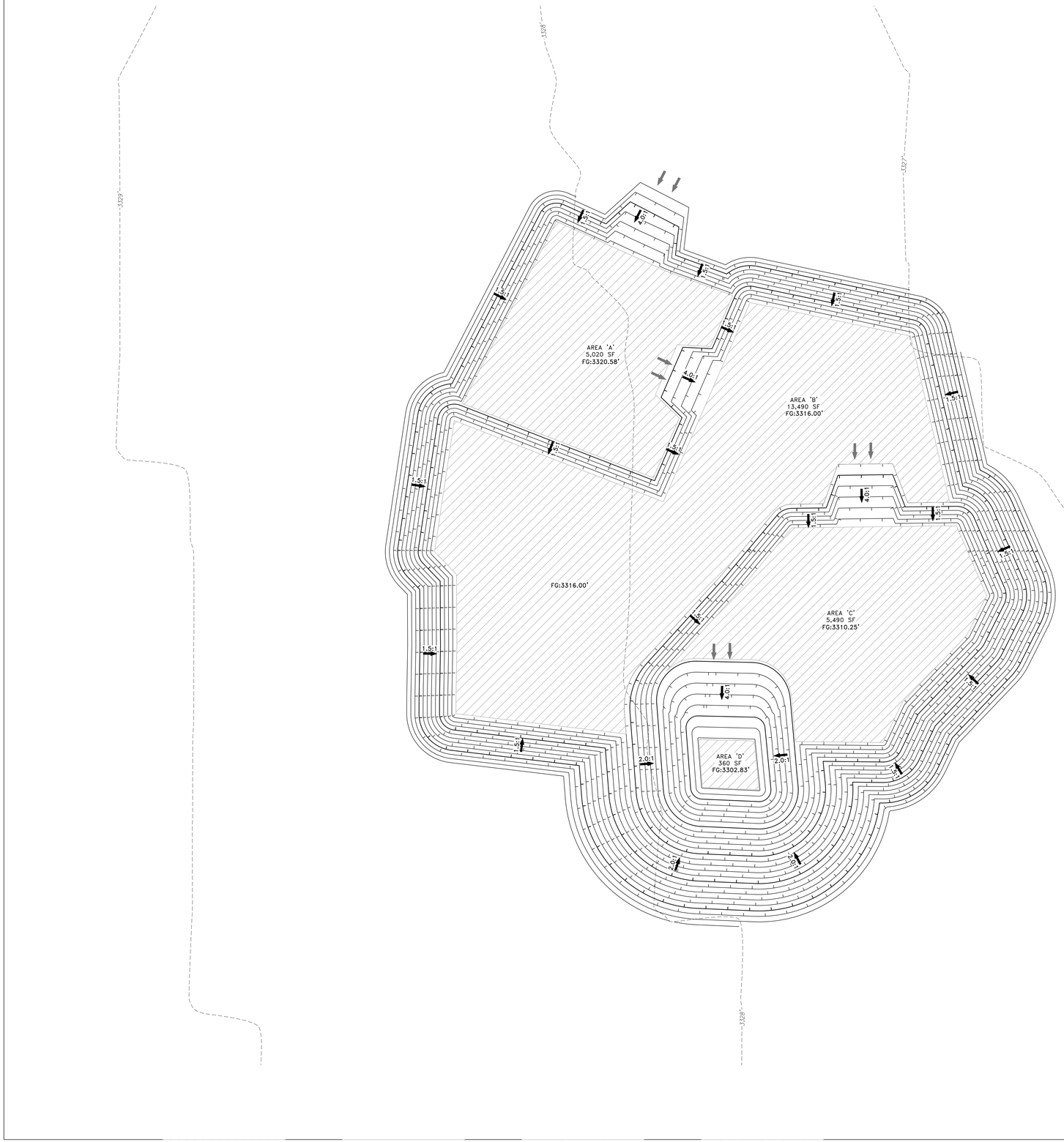
List Source: Eurofins Houston
List Creation: 12/22/23 02:51 PM

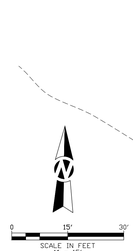
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature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

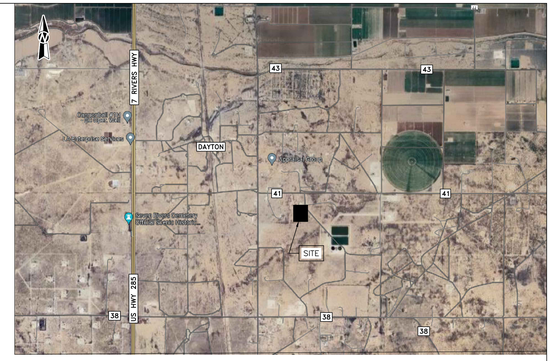
APPENDIX F

CARMONA RESOURCES

DWG. NO. C01







VICINITY MAP
NOT TO SCALE

LEGEND

- 3324' EXISTING CONTOUR 1' INTERVAL
- SLOPE DIRECTION
- PROPOSED CONTOUR 5' INTERVAL
- PROPOSED CONTOUR 1' INTERVAL

Cut/Fill Report

Volume Summary

Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Vol	full	1.000	1.000	46719.19	18735.24	0.00	18735.24<Cut>

Totals

	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Total	46719.19	18735.24	0.00	18735.24<Cut>

* Value adjusted by cut or fill factor other than 1.0

General Notes for Excavation Drawing Sheet

- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM AUTHORITIES AND ADJACENT PROPERTY OWNERS MUST BE OBTAINED BEFORE COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL IDENTIFY AND VERIFY THE LOCATION OF EXISTING ADJACENT UTILITIES AND SERVICES AND CONFIRM DETAILS WITH THE ENGINEER PRIOR TO EXCAVATION.
- ALL EXCAVATION WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE CODES, STANDARDS, AND REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND PROTECTION OF THE WORKERS, THE PUBLIC, AND THE PROPERTY DURING THE EXCAVATION WORK.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING, AND SLOPING FOR THE EXCAVATION WALLS TO PREVENT COLLAPSE AND SOIL EROSION AS IDENTIFIED ON THE EXCAVATION DRAWING SHEET.
- THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE AND DEWATERING OF THE EXCAVATION AREA TO PREVENT FLOODING AND INSTABILITY.
- THE CONTRACTOR SHALL BACKFILL AND COMPACT THE EXCAVATION AREA TO THE REQUIRED SPECIFICATIONS AND RESTORE THE SURFACE TO ITS ORIGINAL CONDITION.
- THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS OR UNSUITABLE EXCAVATED MATERIAL IN AN APPROVED MANNER.
- THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND THE COMPANY PROJECT MANAGER FOR THE VERIFICATION AND APPROVAL OF THE EXCAVATION WORK.
- THE CONTRACTOR SHOULD ENSURE THAT THE EXCAVATION AREA IS CLEAR OF ANY ELECTRICAL OVERHEAD HAZARDS AND THAT ADEQUATE SAFETY MEASURES ARE TAKEN TO PREVENT ELECTROCUTION OR DAMAGE TO THE POWER LINES.
- EXCAVATION TO PROCEED FROM SHALLOW DEPTH TO DEEPER DEPTH AREA. SIDE SLOPE OF THE EXCAVATION SHALL NOT BE STEEPER THAN WHAT IS SHOWN ON THE EXCAVATION DRAWING AT ALL TIMES.
- ALL CONSTRUCTION SHALL CONFORM TO THE COMPANY STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL SIGNS AND BARRICADES ARE PROPERLY INSTALLED AND MAINTAINED.
- CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES, MARKS, ETC. IF ANY ARE DESTROYED OR REMOVED BY THE CONTRACTOR OR HIS EMPLOYEES, THEY SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL NOTIFY ALL UTILITY/PIPELINE COMPANIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF EXISTING UTILITIES.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM AVAILABLE RECORDS AND ARE NOT GUARANTEED BUT SHALL BE INVESTIGATED AND VERIFIED BY THE CONTRACTOR BEFORE STARTING WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO AND FOR THE MAINTENANCE AND PROTECTION OF THE EXISTING UTILITIES EVEN IF THEY ARE NOT SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL MAINTAIN ALL ADJOINING STREETS AND TRAVELED ROUTES FREE FROM SPILLED AND /OR TRACKED CONSTRUCTION MATERIALS AND /OR DEBRIS.
- IF THE CONTRACTOR ENCOUNTERS ANY ARCHAEOLOGICAL DEPOSITS DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR MUST STOP EXCAVATION IMMEDIATELY AND CONTACT THE COMPANY PROJECT MANAGER. THE CONTRACTOR CANNOT BEGIN EXCAVATION AGAIN WITHOUT WRITTEN PERMISSION FROM THE COMPANY.
- LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE INDEPENDENTLY CONFIRMED WITH LOCAL UTILITY/PIPELINE COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. ALL DISCREPANCIES MUST IMMEDIATELY BE REPORTED IN WRITING TO THE COMPANY PROJECT MANAGER.
- ALL FILL, COMPACTION AND BACKFILL MUST BE AS PER THE SITEWORK SPECIFICATIONS AND MUST BE COORDINATED WITH THE COMPANY PROJECT MANAGER.
- CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NOTES AND SPECIFICATIONS CONTAINED HEREIN. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL SUBCONTRACTORS FULLY AND COMPLETELY CONFORM TO AND COMPLY WITH THESE REQUIREMENTS.
- THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN:

  TOPOGRAPHIC SURVEY MAP
- THE PROJECT SITE WORK SPECIFICATIONS ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND, IN CASE OF CONFLICT, DISCREPANCY OR AMBIGUITY, THE MORE STRINGENT REQUIREMENTS AND/OR RECOMMENDATIONS CONTAINED IN THE PLANS AND THE SPECIFICATIONS SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR MUST NOTIFY THE ENGINEER, IN WRITING, OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUITY BETWEEN THE PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER WORK.
- ALL DIMENSIONS SHOWN ON THE PLANS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, IF ANY CONFLICTS ,DISCREPANCIES OR AMBIGUITIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION.
- DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE AND ALL UNSUITABLE EXCAVATED MATERIAL AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF NMOCD.
- THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING WHEN SHORING IS REQUIRED AND FOR INSTALLING ALL SHORING REQUIRED DURING EXCAVATION (TO BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS).
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE METHODS/MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY. THE ENGINEER OF RECORD HAS NOT BEEN RETAINED TO PERFORM OR BE RESPONSIBLE FOR JOB SITE SAFETY, SAME BEING WHOLLY OUTSIDE OF ENGINEER'S SERVICES AS RELATED TO THE PROJECT.

DATE	No.	DESCRIPTION	APPVD

REVISIONS

COMPUTER DRAWING NO MANUAL CHANGES PERMITTED

VIJAY K. KURKI NEW MEXICO 29533 PROFESSIONAL ENGINEER
9-9-2024

TITLE:
HAWKINS GY4
PROPOSED EXCAVATION
GRADING PLAN

EDDY COUNTY NEW MEXICO

SILVERBACK EXPLORATION

SILVERBACK EXPLORATION

DRAWING No: C01

PROJECT#: 202102-1159
SCALE: 1"=15'
DR:
ENG:
CH:
DATE: 5/9/2024
APPROVED BY:

Sunpro Services LLC

APPENDIX G

CARMONA RESOURCES

Soil Map—Eddy Area, New Mexico

Map Scale: 1:525 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 5 10 20 30

Feet
0 25 50 100 150

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Rc	Reagan loam, 0 to 1 percent slopes	0.9	100.0%
Totals for Area of Interest		**0.9**	**100.0%**

Eddy Area, New Mexico

Rc—Reagan loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w5l
Elevation: 1,100 to 5,300 feet
Mean annual precipitation: 7 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 200 to 240 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 97 percent
Minor components: 3 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 82 inches: loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 6c
Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Reagan
Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Reeves
Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Upton
Percent of map unit: 1 percent
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 403640
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2222242315**
Incident Name	**NAPP2222242315 HAWKINS 4 @ 30-015-00252**
Incident Type	**Release Other**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-015-00252] HAWKINS GY #004**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	HAWKINS 4
Date Release Discovered	08/10/2022
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	Cause: Other | Well | Other (Specify) | Released: 0 BBL (Unknown Released Amount) | Recovered: 18,035 BBL | Lost: -18,035 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Well pre fluid and Frac fluid

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 403640
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more;** **(?) reported amounts release resulting in negative volume.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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

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

I hereby agree and sign off to the above statement	Name: Justin Carter Title: Landman Email: jcarter@novoog.com Date: 11/15/2024

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 403640
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 200 and 300 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 200 and 300 (ft.)
Any other fresh water well or spring	Between 500 and 1000 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission		Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	20900
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	434
GRO+DRO	(EPA SW-846 Method 8015M)	434
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.4
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		01/15/2025
On what date will (or did) the final sampling or liner inspection occur		02/25/2025
On what date will (or was) the remediation complete(d)		03/01/2025
What is the estimated surface area (in square feet) that will be reclaimed		28940
What is the estimated volume (in cubic yards) that will be reclaimed		17445
What is the estimated surface area (in square feet) that will be remediated		28940
What is the estimated volume (in cubic yards) that will be remediated		17445
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 403640
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Justin Carter Title: Landman Email: jcarter@novoog.com Date: 11/15/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 403640
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator:	OGRID:
Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	330968
	Action Number: 403640
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	*{Unavailable.}*

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 403640
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Revised Remediation Plan is Conditionally Approved. At the moment, the largest confirmation sample size variance the OCD can grant is 400 ft2. The variance is approved for 400 ft2. After contaminated soil is removed down to 17 feet in areas BH-5 and BH-6, backfill excavation to 4' below ground surface with clean material, install liner, backfill to surface with clean material. If you have any questions or concerns excavating around equipment, structures, or lines, please contact the OCD for guidance.	1/13/2025