

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Copperhead Fee A 003H (02.08.22)
Incident #: NAPP2205935207
Eddy County, New Mexico
Unit G Sec 30 T26S R29E
32.015033°, -104.022036°

Produced Water Release
Point of Release: Flex Pipe Burst
Release Date: 02/08/2022
Volume Released: 15.718 Barrels of Produced Water
Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
15 West London Road
Loving, New Mexico 88256

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 415
Midland, Texas 79701

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992



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May 6, 2022

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

**Re: Work Plan
Copperhead Fee A 003H (02.08.22)
Concho Operating, LLC
Incident ID NAPP2205935207
Site Location: Unit G, S30, T26S, R29E
(Lat 32.015033°, Long -104.022036°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for Copperhead Fee A 003H (02.08.2022). The site is located at 32.015033°, -104.022036° within Unit G, S30, T26S, R29E, 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 February 08, 2022, caused by a flex pipe with abrasion bursting and severe weather. It resulted in the release of approximately 15.718 barrels of crude oil, and 0 barrels were recovered. See Figure 3 for the impacted areas. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is located approximately 2.65 miles Northwest of the site in S27, T26S, R28E and was drilled in 2017. The well has a reported depth to groundwater of 145' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

On April 25, 2022, Scarborough Drilling, Inc was onsite to drill a groundwater determination bore to 55' below ground surface and within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below the surface. The coordinates for the groundwater determination bore are 32.016146°, -104.021411. See Appendix D for the log.



3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On March 09, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of thirteen (13) samples were advanced to depths ranging from surface – 4’ bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

Referring to Table 1, all the (S1 through S-7) areas showed TPH, benzene, and total BTEX concentrations below the regulatory limits. Horizontal samples were taken (H-1 through H-6) and showed TPH, benzene, total BTEX, and chloride concentrations below the regulatory limits. Vertical delineation was not achieved via hand auger for (S-1 through S-7) areas, showing high chloride concentrations from surface to 3.5’ below surface.

Drilling

On April 26, 2022, Carmona Resources personnel were on site to vertically define the release via an air rotary drilling rig. A total of seven (7) boreholes (BH-1 through BH-7) were installed to total depths ranging from surface to 25’ below the surface. Select soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

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The results of the sampling are summarized in Table 1. See Figure 3 for the sample locations.

5.0 Proposed Work Plan

Based on the analytical data and the detected chloride concentrations, COG proposes to remediate the areas as shown on Figure 4 and highlighted (blue) in Table 1. The top four feet will be held to the most stringent threshold following the reclamation requirements.

- All areas will be excavated to a depth of 4' below the surface and backfilled with clean material to grade.
- COG request a variance per 19.15.29.14. A NMAC will collect composite confirmation bottom and sidewall samples every 400 square feet.
- An estimated 2,932 cubic yards to be removed and hauled to the nearest disposal.

Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade, and the area will be seeded with the appropriate seed mixture. The remediation will be implemented 90 days after the work plan is approved.

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

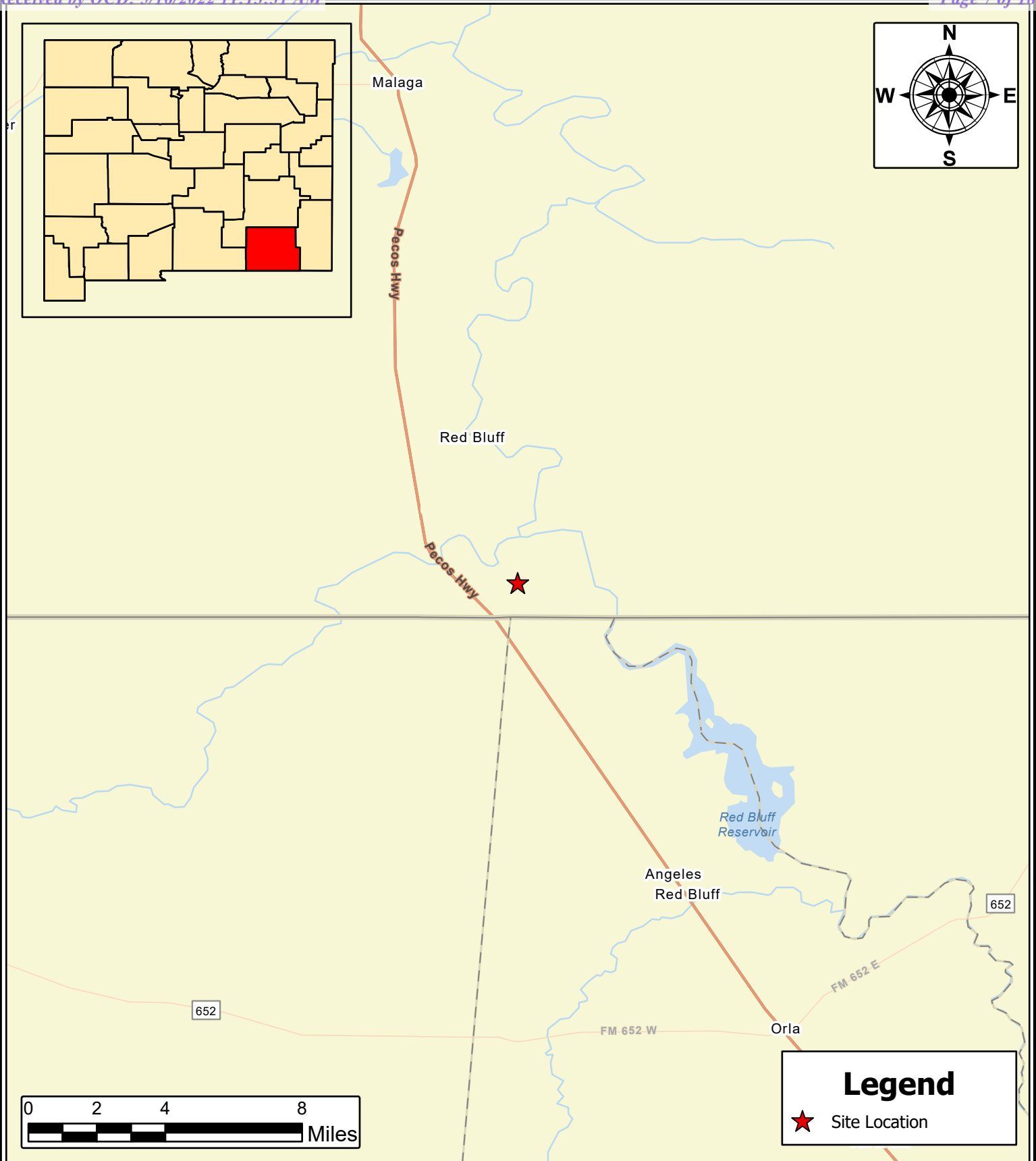
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES



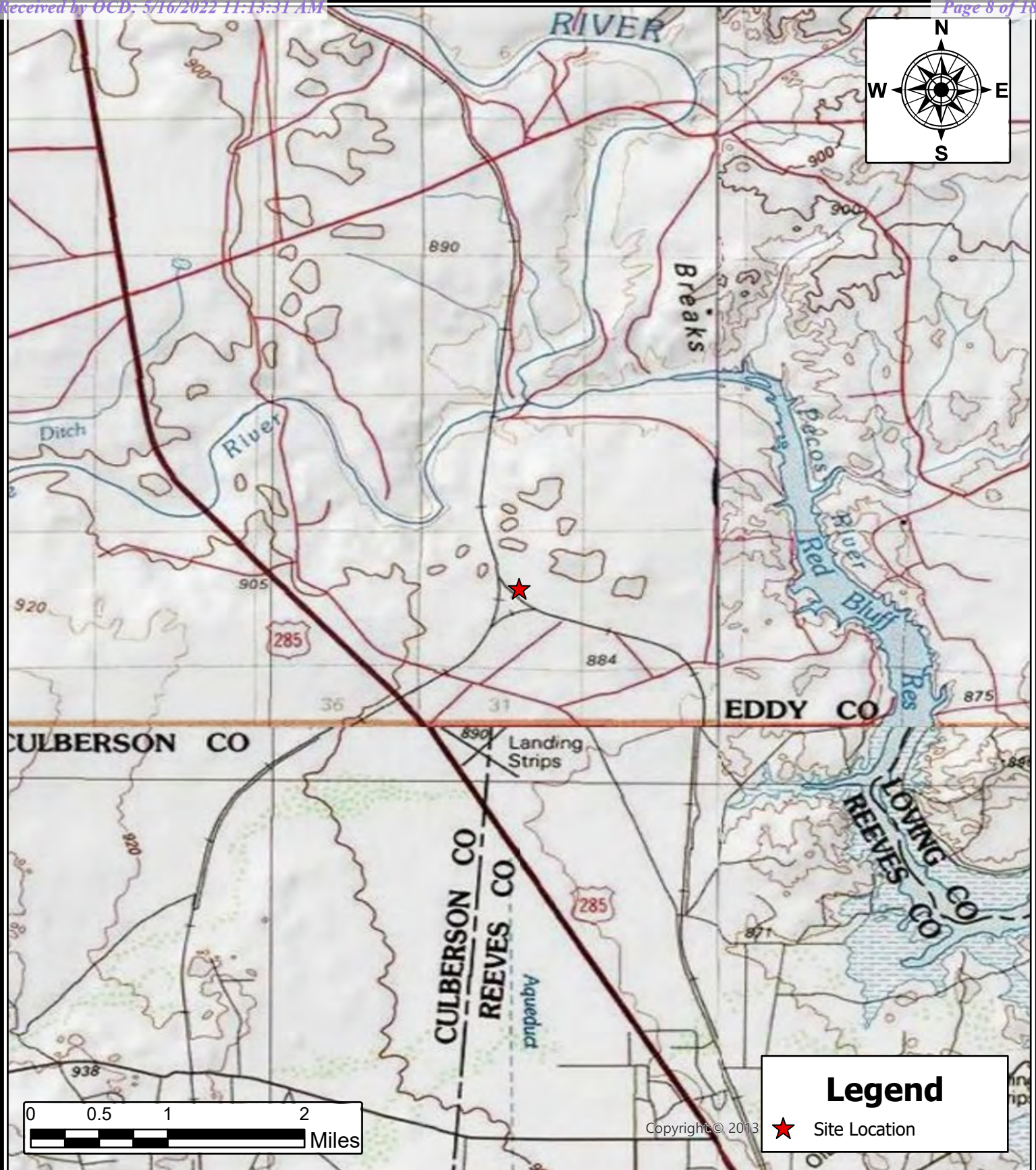


OVERVIEW MAP COG OPERATING COPPERHEAD FEE A 003H (02.08.22) EDDY COUNTY, NEW MEXICO 32.015033, -104.022036	
SCALE: As Shown	Date: 5/5/2022

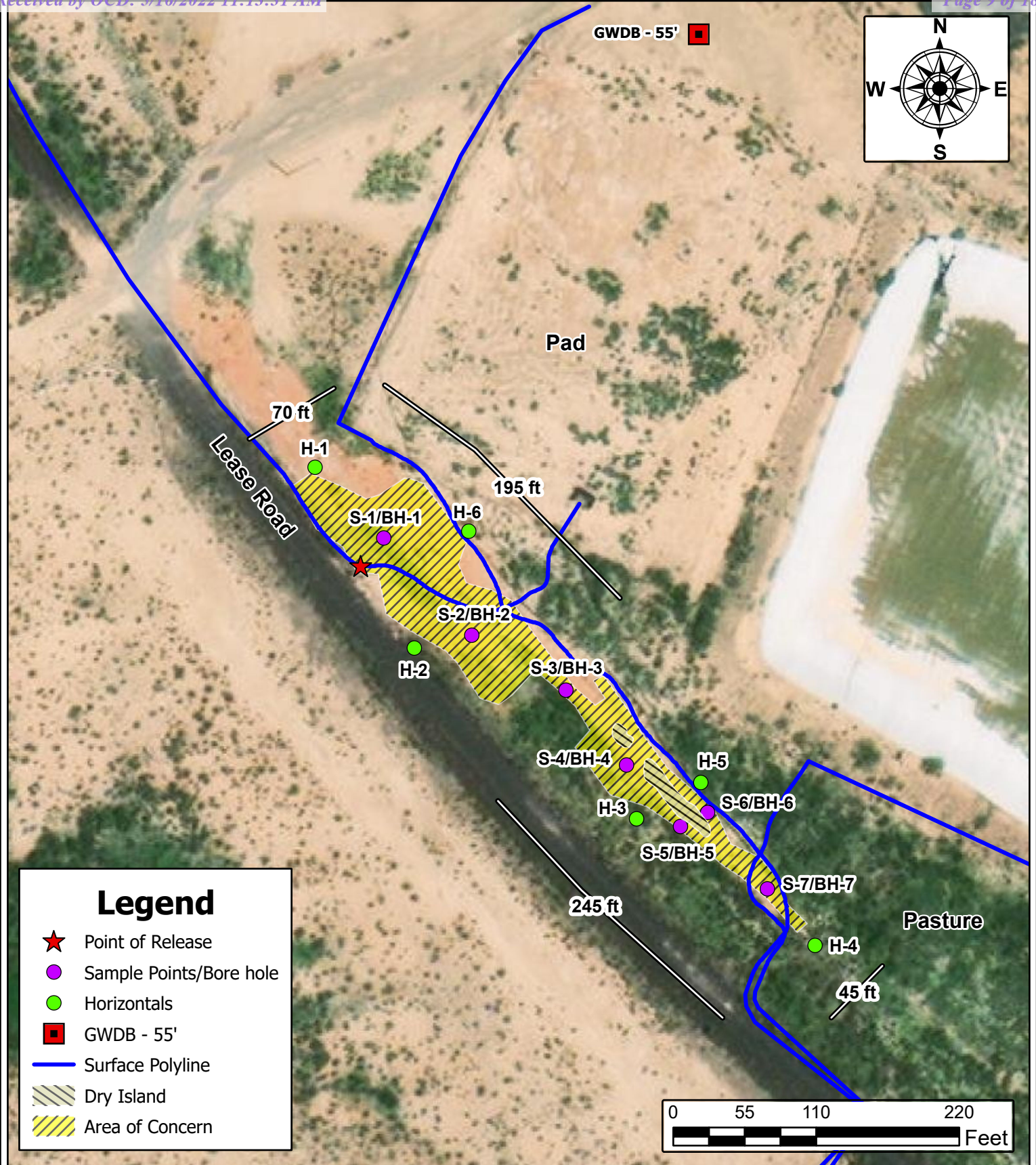
CARMONA RESOURCES  Carmona Resources 310 West Wall Street, Suite 415 Midland, Texas 79701

NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1



TOPOGRAPHIC MAP COG OPERATING COPPERHEAD FEE A 003H (02.08.22) EDDY COUNTY, NEW MEXICO 32.015033, -104.022036		 Carmona Resources 310 West Wall Street, Suite 415 Midland, Texas 79701	NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N	DRAWING NUMBER:
SCALE: As Shown				FIGURE 2
Date: 5/5/2022				SHEET NUMBER: 1 of 1



Legend

- ★ Point of Release
- Sample Points/Bore hole
- Horizontals
- GWDB - 55'
- Surface Polyline
- ▨ Dry Island
- ▨ Area of Concern

0 55 110 220
Feet

SAMPLE LOCATION MAP
COG OPERATING
COPPERHEAD FEE A 003H (02.08.22)
EDDY COUNTY, NEW MEXICO
32.015033, -104.022036

SCALE: As Shown

Date: 5/6/2022



Carmona Resources
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NOTES:

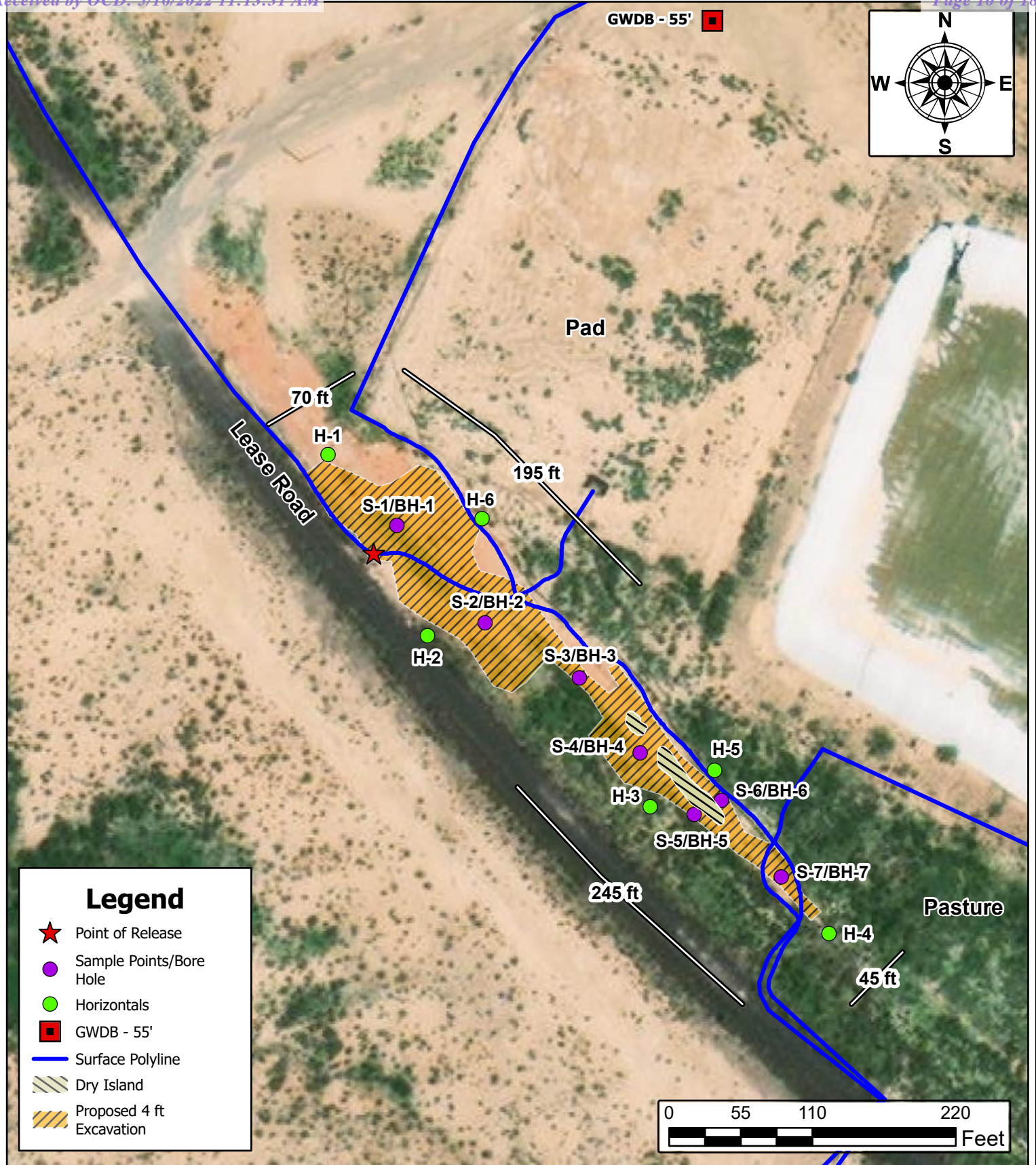
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1



Legend

- ★ Point of Release
- Sample Points/Bore Hole
- Horizontals
- GWDB - 55'
- Surface Polyline
- ▨ Dry Island
- ▨ Proposed 4 ft Excavation

PROPOSED EXCAVATION DEPTH MAP
COG OPERATING
 COPPERHEAD FEE A 003H (02.08.22)
 EDDY COUNTY, NEW MEXICO
 32.015033, -104.022036

SCALE: As Shown

Date: 5/6/2022



Carmona Resources
 310 West Wall Street, Suite 415
 Midland, Texas 79701

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

APPENDIX A

CARMONA RESOURCES



Table 1
COG
Copperhead Fee A 3H (02.08.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	3/9/2022	0-1	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	9,730
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,770
	"	2.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,100
	"	3.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3,720
BH-1	4/26/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	297
	"	2-3	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	685
	"	4-5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,240
	"	6-7	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	661
	"	9-10	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	262
S-2	3/9/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,860
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	8,870
BH-2	4/26/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	11,200
	"	2-3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7,680
	"	4-5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	4,450
	"	6-7	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	344
S-3	3/9/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,290
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	9,460
	"	2.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	9,800
	"	3.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00403	<0.00403	7,900
BH-3	4/26/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	8,280
	"	2-3	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7,620
	"	4-5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	330
	"	6-7	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	5,050
	"	9-10	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	4,000
	"	12-13	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,010
S-4	3/9/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,170
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	7,600
	"	2.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,960
BH-4	4/26/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,680
	"	2-3	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,530
	"	4-5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	3,700
	"	6-7	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,810
	"	9-10	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	487
	"	12-13	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	375
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(BH) Bore Hole

 Proposed Excavation

Table 1
COG
Copperhead Fee A 3H (02.08.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-5	3/9/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,510
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	8,940
BH-5	4/26/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17, 100
	"	2-3	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	3,040
	"	4-5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,620
	"	6-7	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,830
	"	9-10	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,310
	"	12-13	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	689
	"	14-15	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	479
	"	19-20	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	133
S-6	3/9/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	7,380
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	7,170
BH-6	4/26/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	8,650
	"	2-3	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,980
	"	4-5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,600
	"	6-7	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,800
	"	9-10	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,270
	"	12-13	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	658
	"	14-15	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	465
	"	19-20	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	394
S-7	3/9/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,180
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6,570
BH-7	"	2.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	867
	4/26/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	61,800
	"	2-3	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	701
	"	4-5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,610
	"	6-7	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	226
H-1	3/9/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	24.8
H-2	3/9/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.72
H-3	3/9/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<4.99
H-4	3/9/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<4.97
H-5	3/9/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.00
H-6	3/9/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<4.99
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(H) Horizontal

(BH) Bore Hole

 Proposed Excavation

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Copperhead Fee A 3H (02.08.22)

County: Eddy County, New Mexico

Description:

View Northwest of S-1/BH-1.



Photograph No. 2

Facility: Copperhead Fee A 3H (02.08.22)

County: Eddy County, New Mexico

Description:

View Northeast of S-2/BH-2.



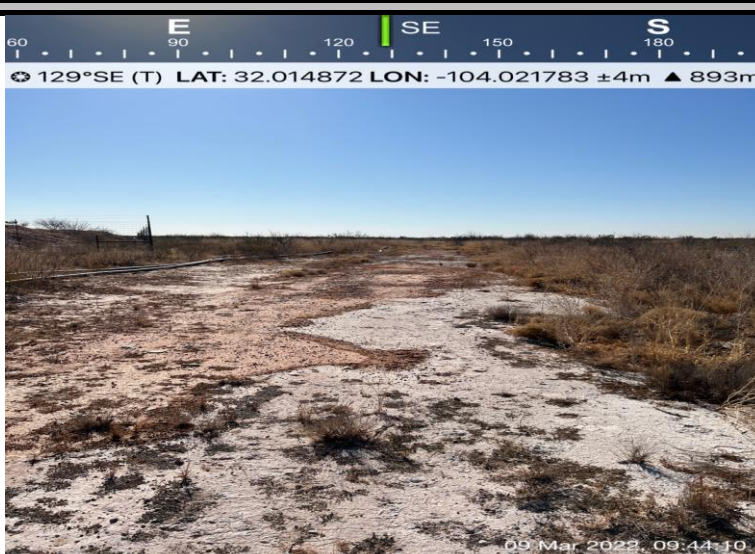
Photograph No. 3

Facility: Copperhead Fee A 3H (02.08.22)

County: Eddy County, New Mexico

Description:

View Southeast of S-3/BH-3.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Copperhead Fee A 3H (02.08.22)

County: Eddy County, New Mexico

Description:

View Southeast of S-5/BH-5 and S-6/BH-6.



Photograph No. 5

Facility: Copperhead Fee A 3H (02.08.22)

County: Eddy County, New Mexico

Description:

View Northwest of S-7/BH-7.



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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

☐ 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)
Cause of Release		

Incident ID	
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?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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 <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name _____	Title: _____
Signature: <u>Battani Espinoza</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

L48 Spill Volume Estimate Form

Received by OCD: 5/16/2022 11:13:31 AM

Page 20 of 180

Facility Name & Number:	Copperhead Fee A #3H
Asset Area:	L48
Release Discovery Date & Time:	2-9-2022@11:30 a.m.
Release Type:	produced water
Provide any known details about the event:	Flex line had some damage to outer layer

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?				See reference table below		
Has it rained at least a half inch in the last 24 hours?				See reference table below		
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	20.0	27.0	4.00	15.12%	32.040	4.844
Rectangle B	48.0	6.0	4.00	15.12%	17.088	2.584
Rectangle C	68.0	6.0	4.00	15.12%	24.208	3.660
Rectangle D	24.0	16.0	4.00	15.12%	22.784	3.445
Rectangle E	44.0	3.0	4.00	15.12%	7.832	1.184
Rectangle F					0.000	0.000
Rectangle G					0.000	0.000
Rectangle H					0.000	0.000
Rectangle I					0.000	0.000
Rectangle J					0.000	0.000

Released to Imaging: 8/23/2022 2:17:59 PM

Total Volume Release: 15.718

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: 5.10.22

email: _____ Telephone: _____

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: Jacqui Heredia Date: 5.10.22
email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: Jennifer Nobili Date: _____

APPENDIX D

CARMONA RESOURCES

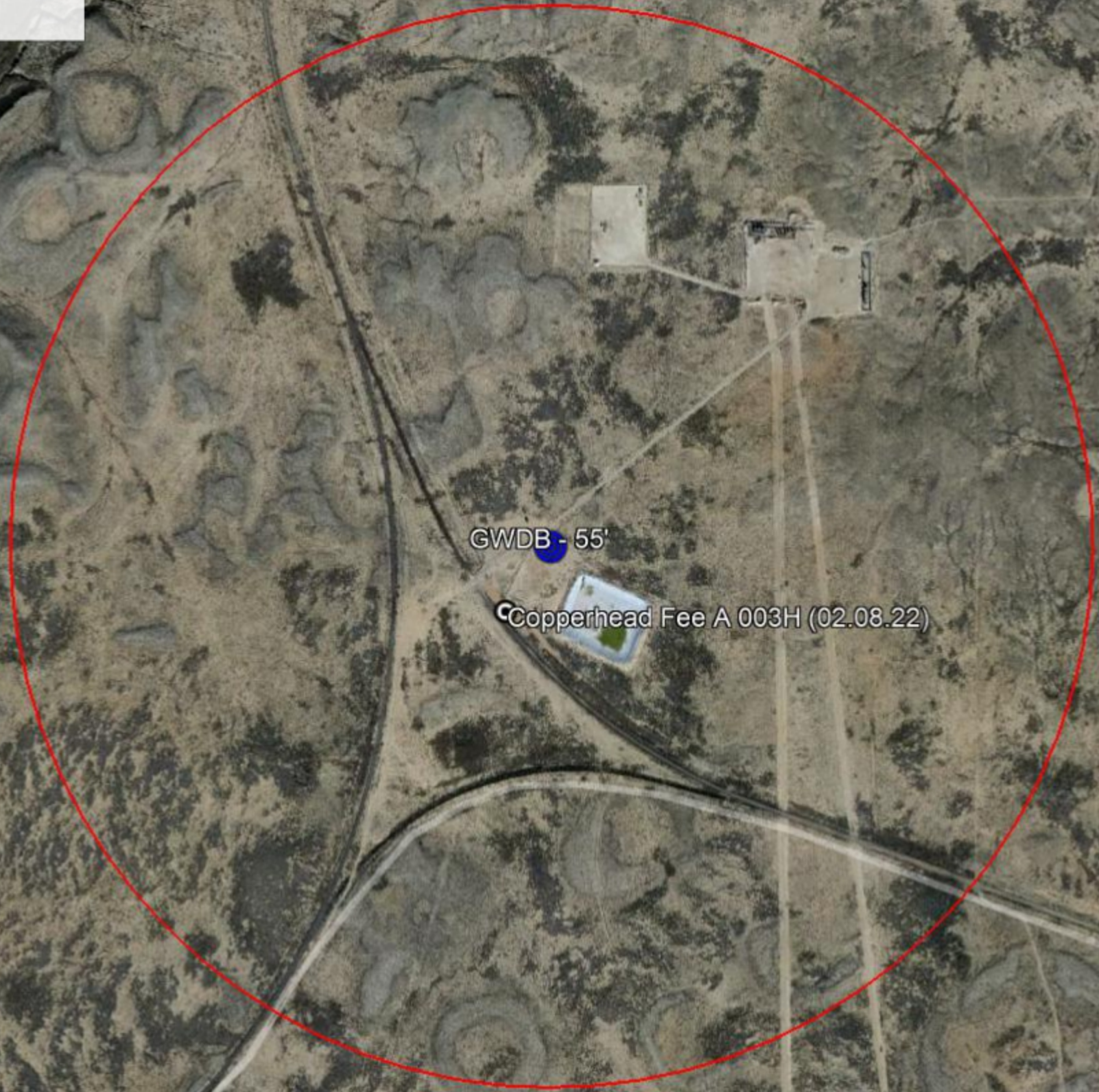


Groundwater Determination Bore

COG Operating

Legend

- 0.50 Mile Radius
- Copperhead Fee A 003H (02.08.22)
- GWDB - 55'





Project Name :	COG - Copperhead Fee A 3H (02.08.22)	Date :	Monday, April 25, 2022
Project No. :	1023	Sampler :	Lane Scarborough
Location :	Eddy County, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.016146, -104.021411	Method :	Air Rotary
Elevation :	2,935'		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Light Brown soft clayey sand, with 20% medium loose sub angular sand, dry, some organics (SC)		50		(50') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub angular sand, dry, no organics (ML)	
5		(5') - Light Brown soft clayey sand, with 20% medium loose sub angular sand, dry, some organics (SC)		55		(55') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub angular sand, dry, no organics (ML)	
10		(10') - Light brown, stiff soft clayey sand, with 3% fine loose sub angular sand, dry, no organics (SC)		60			
15		(15') - Light brown, stiff soft clayey sand, with 3% fine loose sub angular sand, dry, no organics (SC)		65			
20		(20') - Light brown, stiff soft clayey sand, with 3% fine loose sub angular sand, dry, no organics (SC)		70			
25		(25') - Light brown, stiff soft clayey sand, with 3% fine loose sub angular sand, dry, no organics (SC)		75			
30		(30') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub angular sand, dry, no organics (ML)		80			
35		(35') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub angular sand, dry, no organics (ML)		85			
40		(40') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub angular sand, dry, no organics (ML)		90			
45		(45') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub angular sand, dry, no organics (ML)		95			
50				105			

Comments : Boring terminated at 55' at 10:00 AM Central Time with no presence of groundwater or moisture.

Well gauged on 4/29/22 at 11:00 AM Central Time with no detection of groundwater or moisture

Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 2.65 Miles
- 2.88 Miles
- 3.03 Miles
- Copperhead Fee A 003H (02.08.22)
- NMSEO Water Well
- USGS Water Well

22.35' - Drilled 1998

145' - Drilled 2017

68.74' - Drilled 1958

Copperhead Fee A 003H (02.08.22)

Pecos River

726

TEXAS

726

285

US Hwy 2

N

2 mi

MEDIUM KARST

COG Operating

Legend

- Copperhead Fee A 003H (02.08.22)
- MEDIUM

Copperhead Fee A 003H (02.08.22)



3000 ft



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 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
C 01354 X-3	CUB	ED		2	1	3	23	26S	29E	598323	3543837	170		
C 02038	C	ED		3	2	4	26	26S	29E	599204	3541992*	200		
C 03507 POD1	C	ED		1	3	3	05	26S	29E	593064	3548313	140	78	62
C 03508 POD1	C	ED		1	3	3	05	26S	29E	593063	3548361	140	75	65
C 03605 POD1	CUB	ED		4	2	3	27	26S	29E	596990	3541983	45	0	45
C 04561 POD1	CUB	ED		4	3	3	24	26S	29E	599924	3543208			

Average Depth to Water: **51 feet**

Minimum Depth: **0 feet**

Maximum Depth: **78 feet**

Record Count: 6

PLSS Search:

Township: 26S

Range: 29E

*UTM location was derived from PLSS - see Help

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

3/7/22 7:22 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Released to Imaging: 8/23/2022 2:17:59 PM



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	Tws	Rng	X	Y
C	04022 POD2	2	2	2	27	26S	28E	588106	3543082 

Driller License: 1184 **Driller Company:** WEST TEXAS WATER WELL SERVICE

Driller Name: KEITH, RONNY

Drill Start Date: 05/08/2017 **Drill Finish Date:** 05/12/2017 **Plug Date:**

Log File Date: 06/05/2017 **PCW Rev Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 60 GPM

Casing Size: 12.25 **Depth Well:** 250 feet **Depth Water:** 145 feet

Water Bearing Stratifications:	Top	Bottom	Description
	150	160	Sandstone/Gravel/Conglomerate
	160	180	Sandstone/Gravel/Conglomerate
	180	190	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	130	250

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9/28/21 10:21 AM

POINT OF DIVERSION SUMMARY



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico GO

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- [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 =

- 320145104041701

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320145104041701 26S.28E.22.234431

Eddy County, New Mexico

Latitude 32°01'45", Longitude 104°04'17" NAD27

Land-surface elevation 2,980 feet above NGVD29

The depth of the well is 23.00 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1987-12-12			D 62610		2958.98	NGVD29	1		S	
1987-12-12			D 62611		2960.55	NAVD88	1		S	
1987-12-12			D 72019	21.02			1		S	
1998-01-22			D 62610		2957.65	NGVD29	1		S	
1998-01-22			D 62611		2959.22	NAVD88	1		S	
1998-01-22			D 72019	22.35			1		S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface

9/21/21, 8:12 PM

Section	Code	Description
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	S	Steel-tape measurement.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Page Last Modified: 2021-09-21 21:11:49 EDT

0.28 0.24 nadww01



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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- [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 =

- 320126103562801

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320126103562801 26S.29E.22.340

Eddy County, New Mexico
Latitude 32°01'22", Longitude 103°58'26" NAD27
Land-surface elevation 2,888 feet above NGVD29
The depth of the well is 80 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) 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 measur
1958-08-18			D	62610	2819.26	NGVD29	1	Z		
1958-08-18			D	62611	2820.78	NAVD88	1	Z		
1958-08-18			D	72019	68.74		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

9/21/21, 8:14 PM

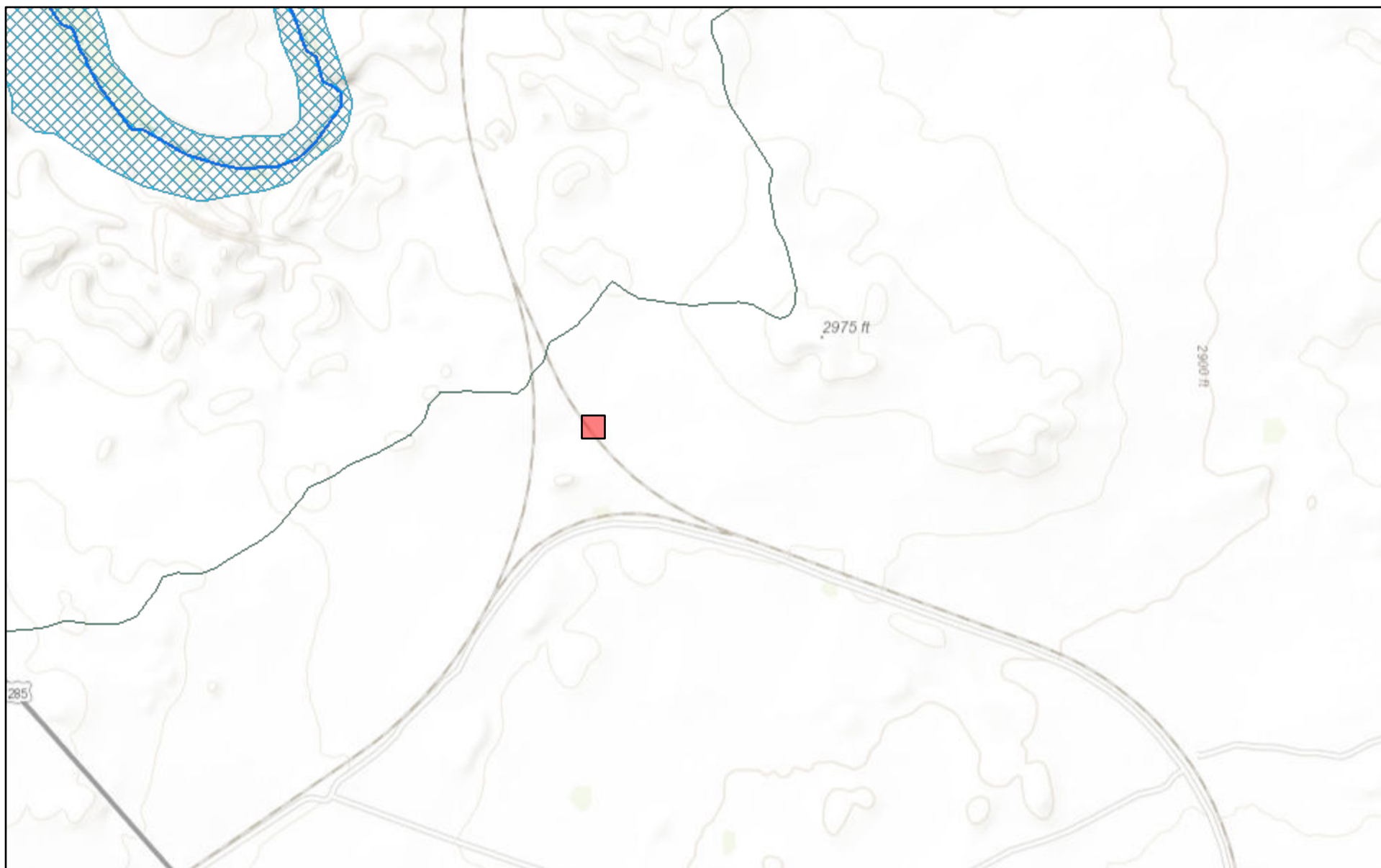
Section	Code	Description
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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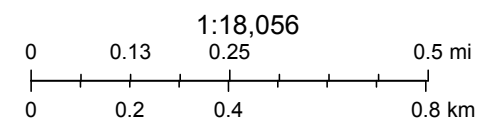
Page Last Modified: 2021-09-21 21:14:35 EDT

0.27 0.23 nadww01

New Mexico NFHL Data



March 7, 2022



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-12274-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Copperhead Fee A 3H (02.08.22)

For:

Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/16/2022 6:57:41 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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results through

TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Laboratory Job ID: 880-12274-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Job ID: 880-12274-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-12274-1****Receipt**

The samples were received on 3/10/2022 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-21288 and analytical batch 880-21366 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21289 and analytical batch 880-21441 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21146 and analytical batch 880-21440 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (0-1') (880-12274-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21455 and analytical batch 880-21464 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

GC Semi VOA

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-21324 and analytical batch 880-21446 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-21325 and analytical batch 880-21446 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28)

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12274-1

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:09	03/12/22 00:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:09	03/12/22 00:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:09	03/12/22 00:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/10/22 11:09	03/12/22 00:45	1
o-Xylene	<0.00198	U *- *1	0.00198		mg/Kg		03/10/22 11:09	03/12/22 00:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/10/22 11:09	03/12/22 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/10/22 11:09	03/12/22 00:45	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/10/22 11:09	03/12/22 00:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *-	49.8		mg/Kg		03/10/22 13:55	03/13/22 13:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/10/22 13:55	03/13/22 13:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/10/22 13:55	03/13/22 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	03/10/22 13:55	03/13/22 13:24	1
o-Terphenyl	101		70 - 130	03/10/22 13:55	03/13/22 13:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9730		99.8		mg/Kg			03/16/22 13:33	20

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-12274-2

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:09	03/12/22 01:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:09	03/12/22 01:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:09	03/12/22 01:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/10/22 11:09	03/12/22 01:05	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		03/10/22 11:09	03/12/22 01:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/10/22 11:09	03/12/22 01:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/10/22 11:09	03/12/22 01:05	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/10/22 11:09	03/12/22 01:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-12274-2

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		03/10/22 13:55	03/13/22 14:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 14:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				03/10/22 13:55	03/13/22 14:29	1
o-Terphenyl	87		70 - 130				03/10/22 13:55	03/13/22 14:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6770		99.2		mg/Kg			03/16/22 13:41	20

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-12274-3

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:09	03/12/22 01:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:09	03/12/22 01:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:09	03/12/22 01:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/10/22 11:09	03/12/22 01:26	1
o-Xylene	<0.00199	U * *1	0.00199		mg/Kg		03/10/22 11:09	03/12/22 01:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/10/22 11:09	03/12/22 01:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				03/10/22 11:09	03/12/22 01:26	1
1,4-Difluorobenzene (Surr)	97		70 - 130				03/10/22 11:09	03/12/22 01:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		03/10/22 13:55	03/13/22 14:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 14:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-12274-3

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				03/10/22 13:55	03/13/22 14:50	1
o-Terphenyl	101		70 - 130				03/10/22 13:55	03/13/22 14:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4100		49.5		mg/Kg			03/16/22 13:50	10

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-12274-4

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 01:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 01:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 01:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/10/22 11:09	03/12/22 01:46	1
o-Xylene	<0.00200	U * - *1	0.00200		mg/Kg		03/10/22 11:09	03/12/22 01:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/10/22 11:09	03/12/22 01:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				03/10/22 11:09	03/12/22 01:46	1
1,4-Difluorobenzene (Surr)	97		70 - 130				03/10/22 11:09	03/12/22 01:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *-	49.8		mg/Kg		03/10/22 13:55	03/13/22 15:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/10/22 13:55	03/13/22 15:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/10/22 13:55	03/13/22 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/10/22 13:55	03/13/22 15:12	1
o-Terphenyl	105		70 - 130				03/10/22 13:55	03/13/22 15:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3720		49.5		mg/Kg			03/16/22 13:59	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-12274-5

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 02:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 02:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 02:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/10/22 11:09	03/12/22 02:06	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		03/10/22 11:09	03/12/22 02:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/10/22 11:09	03/12/22 02:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/10/22 11:09	03/12/22 02:06	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/10/22 11:09	03/12/22 02:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		03/10/22 13:55	03/13/22 15:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 15:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	03/10/22 13:55	03/13/22 15:33	1
o-Terphenyl	103		70 - 130	03/10/22 13:55	03/13/22 15:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3860		101		mg/Kg			03/16/22 14:08	20

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-12274-6

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:09	03/12/22 02:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:09	03/12/22 02:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:09	03/12/22 02:27	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/10/22 11:09	03/12/22 02:27	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		03/10/22 11:09	03/12/22 02:27	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/10/22 11:09	03/12/22 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/10/22 11:09	03/12/22 02:27	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/10/22 11:09	03/12/22 02:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-12274-6

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		03/10/22 13:55	03/13/22 15:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 15:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 15:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/10/22 13:55	03/13/22 15:54	1
o-Terphenyl	99		70 - 130				03/10/22 13:55	03/13/22 15:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8870		99.8		mg/Kg			03/16/22 14:35	20

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-12274-7

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 02:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 02:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 02:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/10/22 11:09	03/12/22 02:47	1
o-Xylene	<0.00200	U * - *1	0.00200		mg/Kg		03/10/22 11:09	03/12/22 02:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/10/22 11:09	03/12/22 02:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				03/10/22 11:09	03/12/22 02:47	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/10/22 11:09	03/12/22 02:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		03/10/22 13:55	03/13/22 16:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 16:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-12274-7

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 16:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				03/10/22 13:55	03/13/22 16:15	1
o-Terphenyl	95		70 - 130				03/10/22 13:55	03/13/22 16:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8290		99.4		mg/Kg			03/16/22 14:43	20

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-12274-8

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:09	03/12/22 03:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:09	03/12/22 03:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:09	03/12/22 03:08	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/10/22 11:09	03/12/22 03:08	1
o-Xylene	<0.00198	U * - *1	0.00198		mg/Kg		03/10/22 11:09	03/12/22 03:08	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/10/22 11:09	03/12/22 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				03/10/22 11:09	03/12/22 03:08	1
1,4-Difluorobenzene (Surr)	99		70 - 130				03/10/22 11:09	03/12/22 03:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		03/10/22 13:55	03/13/22 16:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 16:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/10/22 13:55	03/13/22 16:36	1
o-Terphenyl	102		70 - 130				03/10/22 13:55	03/13/22 16:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9460		99.0		mg/Kg			03/16/22 15:10	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (2.5')

Lab Sample ID: 880-12274-9

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 03:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 03:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 03:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/10/22 11:09	03/12/22 03:28	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		03/10/22 11:09	03/12/22 03:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/10/22 11:09	03/12/22 03:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/10/22 11:09	03/12/22 03:28	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/10/22 11:09	03/12/22 03:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		03/10/22 13:55	03/13/22 16:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 16:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/10/22 13:55	03/13/22 16:58	1
o-Terphenyl	109		70 - 130	03/10/22 13:55	03/13/22 16:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9800		101		mg/Kg			03/16/22 15:19	20

Client Sample ID: S-3 (3.5')

Lab Sample ID: 880-12274-10

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:09	03/12/22 03:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:09	03/12/22 03:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:09	03/12/22 03:49	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/10/22 11:09	03/12/22 03:49	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		03/10/22 11:09	03/12/22 03:49	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/10/22 11:09	03/12/22 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/10/22 11:09	03/12/22 03:49	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/10/22 11:09	03/12/22 03:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (3.5')

Lab Sample ID: 880-12274-10

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9		mg/Kg		03/10/22 13:55	03/13/22 17:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 17:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 17:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/10/22 13:55	03/13/22 17:19	1
o-Terphenyl	99		70 - 130				03/10/22 13:55	03/13/22 17:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7900		99.6		mg/Kg			03/16/22 15:28	20

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-12274-11

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		03/13/22 12:38	03/14/22 11:41	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		03/13/22 12:38	03/14/22 11:41	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		03/13/22 12:38	03/14/22 11:41	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		03/13/22 12:38	03/14/22 11:41	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		03/13/22 12:38	03/14/22 11:41	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		03/13/22 12:38	03/14/22 11:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				03/13/22 12:38	03/14/22 11:41	1
1,4-Difluorobenzene (Surr)	108		70 - 130				03/13/22 12:38	03/14/22 11:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		03/10/22 13:55	03/13/22 18:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 18:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-12274-11

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/10/22 13:55	03/13/22 18:00	1
o-Terphenyl	106		70 - 130				03/10/22 13:55	03/13/22 18:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8170		100		mg/Kg			03/16/22 15:36	20

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-12274-12

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 12:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 12:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 12:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/13/22 12:38	03/14/22 12:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 12:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/13/22 12:38	03/14/22 12:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				03/13/22 12:38	03/14/22 12:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/13/22 12:38	03/14/22 12:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		03/10/22 13:55	03/13/22 18:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 18:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/10/22 13:55	03/13/22 18:21	1
o-Terphenyl	101		70 - 130				03/10/22 13:55	03/13/22 18:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7600		99.8		mg/Kg			03/16/22 15:45	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (2.5')

Lab Sample ID: 880-12274-13

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/13/22 12:38	03/14/22 12:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/13/22 12:38	03/14/22 12:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/13/22 12:38	03/14/22 12:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/13/22 12:38	03/14/22 12:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/13/22 12:38	03/14/22 12:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/13/22 12:38	03/14/22 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/13/22 12:38	03/14/22 12:22	1
1,4-Difluorobenzene (Surr)	110		70 - 130	03/13/22 12:38	03/14/22 12:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		03/10/22 13:55	03/13/22 18:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 18:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	03/10/22 13:55	03/13/22 18:42	1
o-Terphenyl	94		70 - 130	03/10/22 13:55	03/13/22 18:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6960		99.4		mg/Kg			03/16/22 15:54	20

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-12274-14

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/13/22 12:38	03/14/22 12:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/13/22 12:38	03/14/22 12:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/13/22 12:38	03/14/22 12:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/13/22 12:38	03/14/22 12:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/13/22 12:38	03/14/22 12:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/13/22 12:38	03/14/22 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	03/13/22 12:38	03/14/22 12:43	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/13/22 12:38	03/14/22 12:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-12274-14

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		03/10/22 13:55	03/13/22 19:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 19:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/10/22 13:55	03/13/22 19:02	1
o-Terphenyl	108		70 - 130				03/10/22 13:55	03/13/22 19:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8510		100		mg/Kg			03/16/22 16:03	20

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-12274-15

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/13/22 12:38	03/14/22 13:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/13/22 12:38	03/14/22 13:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/13/22 12:38	03/14/22 13:03	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/13/22 12:38	03/14/22 13:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/13/22 12:38	03/14/22 13:03	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/13/22 12:38	03/14/22 13:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				03/13/22 12:38	03/14/22 13:03	1
1,4-Difluorobenzene (Surr)	110		70 - 130				03/13/22 12:38	03/14/22 13:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *	49.8		mg/Kg		03/10/22 13:55	03/13/22 19:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/10/22 13:55	03/13/22 19:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-12274-15

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/10/22 13:55	03/13/22 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				03/10/22 13:55	03/13/22 19:23	1
o-Terphenyl	96		70 - 130				03/10/22 13:55	03/13/22 19:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8940		49.8		mg/Kg			03/16/22 17:40	10

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-12274-16

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/13/22 12:38	03/14/22 13:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/13/22 12:38	03/14/22 13:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/13/22 12:38	03/14/22 13:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/13/22 12:38	03/14/22 13:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/13/22 12:38	03/14/22 13:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/13/22 12:38	03/14/22 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				03/13/22 12:38	03/14/22 13:24	1
1,4-Difluorobenzene (Surr)	110		70 - 130				03/13/22 12:38	03/14/22 13:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		03/10/22 13:55	03/13/22 19:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 19:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 19:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/10/22 13:55	03/13/22 19:43	1
o-Terphenyl	105		70 - 130				03/10/22 13:55	03/13/22 19:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7380		100		mg/Kg			03/15/22 21:06	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-12274-17

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 13:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 13:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 13:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/13/22 12:38	03/14/22 13:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 13:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/13/22 12:38	03/14/22 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	03/13/22 12:38	03/14/22 13:44	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/13/22 12:38	03/14/22 13:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		03/10/22 13:55	03/13/22 20:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 20:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 20:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	03/10/22 13:55	03/13/22 20:04	1
o-Terphenyl	90		70 - 130	03/10/22 13:55	03/13/22 20:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7170		99.0		mg/Kg			03/15/22 21:14	20

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-12274-18

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 14:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 14:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 14:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/13/22 12:38	03/14/22 14:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 14:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/13/22 12:38	03/14/22 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/13/22 12:38	03/14/22 14:05	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/13/22 12:38	03/14/22 14:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-12274-18

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		03/10/22 13:55	03/13/22 20:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 20:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 13:55	03/13/22 20:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				03/10/22 13:55	03/13/22 20:24	1
o-Terphenyl	107		70 - 130				03/10/22 13:55	03/13/22 20:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6180		50.4		mg/Kg			03/15/22 21:23	10

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-12274-19

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/13/22 12:38	03/14/22 14:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/13/22 12:38	03/14/22 14:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/13/22 12:38	03/14/22 14:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/13/22 12:38	03/14/22 14:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/13/22 12:38	03/14/22 14:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/13/22 12:38	03/14/22 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				03/13/22 12:38	03/14/22 14:25	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/13/22 12:38	03/14/22 14:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		03/10/22 13:55	03/13/22 20:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 20:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-12274-19

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/10/22 13:55	03/13/22 20:45	1
o-Terphenyl	103		70 - 130				03/10/22 13:55	03/13/22 20:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6570		99.8		mg/Kg			03/15/22 21:32	20

Client Sample ID: S-7 (2.5')

Lab Sample ID: 880-12274-20

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/13/22 12:38	03/14/22 14:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/13/22 12:38	03/14/22 14:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/13/22 12:38	03/14/22 14:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/13/22 12:38	03/14/22 14:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/13/22 12:38	03/14/22 14:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/13/22 12:38	03/14/22 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				03/13/22 12:38	03/14/22 14:46	1
1,4-Difluorobenzene (Surr)	109		70 - 130				03/13/22 12:38	03/14/22 14:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *-	49.8		mg/Kg		03/10/22 13:55	03/13/22 21:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/10/22 13:55	03/13/22 21:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/10/22 13:55	03/13/22 21:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/10/22 13:55	03/13/22 21:07	1
o-Terphenyl	105		70 - 130				03/10/22 13:55	03/13/22 21:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	867		25.1		mg/Kg			03/15/22 21:59	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12274-21

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1	0.00202		mg/Kg		03/10/22 11:12	03/12/22 19:03	1
Toluene	<0.00202	U F1	0.00202		mg/Kg		03/10/22 11:12	03/12/22 19:03	1
Ethylbenzene	<0.00202	U F1	0.00202		mg/Kg		03/10/22 11:12	03/12/22 19:03	1
m-Xylene & p-Xylene	<0.00403	U F1	0.00403		mg/Kg		03/10/22 11:12	03/12/22 19:03	1
o-Xylene	<0.00202	U F1	0.00202		mg/Kg		03/10/22 11:12	03/12/22 19:03	1
Xylenes, Total	<0.00403	U F1	0.00403		mg/Kg		03/10/22 11:12	03/12/22 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	03/10/22 11:12	03/12/22 19:03	1
1,4-Difluorobenzene (Surr)	96		70 - 130	03/10/22 11:12	03/12/22 19:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/10/22 14:09	03/14/22 04:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/10/22 14:09	03/14/22 04:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 14:09	03/14/22 04:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	03/10/22 14:09	03/14/22 04:06	1
o-Terphenyl	108		70 - 130	03/10/22 14:09	03/14/22 04:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.8		4.98		mg/Kg			03/15/22 22:08	1

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

Lab Sample ID: 880-12274-22

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/12/22 19:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/12/22 19:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/12/22 19:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/10/22 11:12	03/12/22 19:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/12/22 19:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/10/22 11:12	03/12/22 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/10/22 11:12	03/12/22 19:24	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/10/22 11:12	03/12/22 19:24	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12274-22

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/10/22 14:09	03/14/22 04:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/10/22 14:09	03/14/22 04:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 14:09	03/14/22 04:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				03/10/22 14:09	03/14/22 04:27	1
o-Terphenyl	91		70 - 130				03/10/22 14:09	03/14/22 04:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.72		4.95		mg/Kg			03/15/22 22:17	1

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

Lab Sample ID: 880-12274-23

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 19:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 19:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 19:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/10/22 11:12	03/12/22 19:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 19:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/10/22 11:12	03/12/22 19:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				03/10/22 11:12	03/12/22 19:44	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/10/22 11:12	03/12/22 19:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 04:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/10/22 14:09	03/14/22 04:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12274-23

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 04:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/10/22 14:09	03/14/22 04:48	1
o-Terphenyl	102		70 - 130				03/10/22 14:09	03/14/22 04:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			03/15/22 22:25	1

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

Lab Sample ID: 880-12274-24

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:12	03/12/22 20:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:12	03/12/22 20:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:12	03/12/22 20:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/10/22 11:12	03/12/22 20:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:12	03/12/22 20:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/10/22 11:12	03/12/22 20:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				03/10/22 11:12	03/12/22 20:05	1
1,4-Difluorobenzene (Surr)	103		70 - 130				03/10/22 11:12	03/12/22 20:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/10/22 14:09	03/14/22 05:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/10/22 14:09	03/14/22 05:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 14:09	03/14/22 05:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				03/10/22 14:09	03/14/22 05:09	1
o-Terphenyl	86		70 - 130				03/10/22 14:09	03/14/22 05:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			03/15/22 22:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12274-25

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 20:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 20:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 20:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/10/22 11:12	03/12/22 20:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 20:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/10/22 11:12	03/12/22 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/10/22 11:12	03/12/22 20:25	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/10/22 11:12	03/12/22 20:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/10/22 14:09	03/14/22 05:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/10/22 14:09	03/14/22 05:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 14:09	03/14/22 05:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	03/10/22 14:09	03/14/22 05:29	1
o-Terphenyl	102		70 - 130	03/10/22 14:09	03/14/22 05:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/15/22 22:43	1

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-12274-26

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:12	03/12/22 20:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:12	03/12/22 20:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:12	03/12/22 20:46	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/10/22 11:12	03/12/22 20:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:12	03/12/22 20:46	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/10/22 11:12	03/12/22 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/10/22 11:12	03/12/22 20:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/10/22 11:12	03/12/22 20:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-12274-26

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 05:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/10/22 14:09	03/14/22 05:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 05:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/10/22 14:09	03/14/22 05:49	1
o-Terphenyl	98		70 - 130				03/10/22 14:09	03/14/22 05:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			03/15/22 23:10	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-12263-A-1-H MS	Matrix Spike	112	95
880-12263-A-1-I MSD	Matrix Spike Duplicate	2911 S1+	176 S1+
880-12274-1	S-1 (0-1')	105	105
880-12274-1 MS	S-1 (0-1')	99	99
880-12274-1 MSD	S-1 (0-1')	101	99
880-12274-2	S-1 (1.5')	100	93
880-12274-3	S-1 (2.5')	108	97
880-12274-4	S-1 (3.5')	107	97
880-12274-5	S-2 (0-1')	104	102
880-12274-6	S-2 (1.5')	106	106
880-12274-7	S-3 (0-1')	106	101
880-12274-8	S-3 (1.5')	118	99
880-12274-9	S-3 (2.5')	108	100
880-12274-10	S-3 (3.5')	108	102
880-12274-11	S-4 (0-1')	107	108
880-12274-11 MS	S-4 (0-1')	103	110
880-12274-11 MSD	S-4 (0-1')	104	112
880-12274-12	S-4 (1.5')	94	100
880-12274-13	S-4 (2.5')	105	110
880-12274-14	S-5 (0-1')	115	106
880-12274-15	S-5 (1.5')	106	110
880-12274-16	S-6 (0-1')	106	110
880-12274-17	S-6 (1.5')	110	98
880-12274-18	S-7 (0-1')	109	101
880-12274-19	S-7 (1.5')	110	100
880-12274-20	S-7 (2.5')	107	109
880-12274-21	H-1 (0-0.5')	95	96
880-12274-21 MS	H-1 (0-0.5')	101	112
880-12274-21 MSD	H-1 (0-0.5')	106	106
880-12274-22	H-2 (0-0.5')	101	99
880-12274-23	H-3 (0-0.5')	101	101
880-12274-24	H-4 (0-0.5')	110	103
880-12274-25	H-5 (0-0.5')	104	99
880-12274-26	H-6 (0-0.5')	105	101
LCS 880-21146/1-A	Lab Control Sample	94	98
LCS 880-21288/1-A	Lab Control Sample	95	103
LCS 880-21289/1-A	Lab Control Sample	101	112
LCS 880-21455/1-A	Lab Control Sample	102	109
LCSD 880-21146/2-A	Lab Control Sample Dup	97	101
LCSD 880-21288/2-A	Lab Control Sample Dup	92	101
LCSD 880-21289/2-A	Lab Control Sample Dup	101	112
LCSD 880-21455/2-A	Lab Control Sample Dup	103	112
MB 880-21012/5-A	Method Blank	95	100
MB 880-21146/5-A	Method Blank	97	99
MB 880-21288/5-A	Method Blank	97	101
MB 880-21289/5-A	Method Blank	102	104
MB 880-21365/5-A	Method Blank	97	101
MB 880-21455/5-A	Method Blank	100	103

Surrogate Legend

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-12274-1

Project/Site: Copperhead Fee A 3H (02.08.22)

SDG: Eddy Co, NM

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-12272-A-1-B MS	Matrix Spike	91	78
880-12272-A-1-C MSD	Matrix Spike Duplicate	97	80
880-12274-1	S-1 (0-1')	104	101
880-12274-1 MS	S-1 (0-1')	102	90
880-12274-1 MSD	S-1 (0-1')	100	90
880-12274-2	S-1 (1.5')	89	87
880-12274-3	S-1 (2.5')	104	101
880-12274-4	S-1 (3.5')	112	105
880-12274-5	S-2 (0-1')	106	103
880-12274-6	S-2 (1.5')	107	99
880-12274-7	S-3 (0-1')	100	95
880-12274-8	S-3 (1.5')	105	102
880-12274-9	S-3 (2.5')	112	109
880-12274-10	S-3 (3.5')	105	99
880-12274-11	S-4 (0-1')	109	106
880-12274-12	S-4 (1.5')	103	101
880-12274-13	S-4 (2.5')	98	94
880-12274-14	S-5 (0-1')	111	108
880-12274-15	S-5 (1.5')	101	96
880-12274-16	S-6 (0-1')	111	105
880-12274-17	S-6 (1.5')	95	90
880-12274-18	S-7 (0-1')	110	107
880-12274-19	S-7 (1.5')	108	103
880-12274-20	S-7 (2.5')	106	105
880-12274-21	H-1 (0-0.5')	113	108
880-12274-22	H-2 (0-0.5')	99	91
880-12274-23	H-3 (0-0.5')	111	102
880-12274-24	H-4 (0-0.5')	92	86
880-12274-25	H-5 (0-0.5')	114	102
880-12274-26	H-6 (0-0.5')	107	98
LCS 880-21324/2-A	Lab Control Sample	89	85
LCS 880-21325/2-A	Lab Control Sample	101	94
LCSD 880-21324/3-A	Lab Control Sample Dup	88	83
LCSD 880-21325/3-A	Lab Control Sample Dup	120	125
MB 880-21324/1-A	Method Blank	91	92
MB 880-21325/1-A	Method Blank	109	109

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21012/5-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/11/22 16:00	03/13/22 07:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	03/11/22 16:00	03/13/22 07:08	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/11/22 16:00	03/13/22 07:08	1

Lab Sample ID: MB 880-21146/5-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/13/22 12:58	03/13/22 19:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/13/22 12:58	03/13/22 19:01	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/13/22 12:58	03/13/22 19:01	1

Lab Sample ID: LCS 880-21146/1-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09993		mg/Kg		100	70 - 130
Toluene	0.100	0.09490		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09416		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.2203		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1080		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-21146/2-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1051		mg/Kg		105	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-21146/2-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.1004		mg/Kg		100	70 - 130	6	35
Ethylbenzene	0.100	0.09886		mg/Kg		99	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2316		mg/Kg		116	70 - 130	5	35
o-Xylene	0.100	0.1131		mg/Kg		113	70 - 130	5	35

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

Lab Sample ID: 880-12263-A-1-H MS

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1	0.100	0.04828	F1	mg/Kg		48	70 - 130
Toluene	<0.00199	U F2 F1	0.100	0.05479	F1	mg/Kg		54	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.100	0.06147	F1	mg/Kg		61	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1430		mg/Kg		71	70 - 130
o-Xylene	<0.00199	U F2 F1	0.100	0.07492		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-12263-A-1-I MSD

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0996	0.04152	F1	mg/Kg		42	70 - 130	15	35
Toluene	<0.00199	U F2 F1	0.0996	0.002562	F2 F1	mg/Kg		2	70 - 130	182	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	2911	S1+	70 - 130
1,4-Difluorobenzene (Surr)	176	S1+	70 - 130

Lab Sample ID: MB 880-21288/5-A

Matrix: Solid

Analysis Batch: 21366

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 00:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 00:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 00:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/10/22 11:09	03/12/22 00:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:09	03/12/22 00:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/10/22 11:09	03/12/22 00:16	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-21288/5-A

Matrix: Solid

Analysis Batch: 21366

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21288

	MB	MB			
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
4-Bromofluorobenzene (Surr)	97		70 - 130	03/10/22 11:09	03/12/22 00:16
1,4-Difluorobenzene (Surr)	101		70 - 130	03/10/22 11:09	03/12/22 00:16

Lab Sample ID: LCS 880-21288/1-A

Matrix: Solid

Analysis Batch: 21366

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21288

	Spike	LCS	LCS						%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.09283		mg/Kg		93	70 - 130			
Toluene	0.100	0.08764		mg/Kg		88	70 - 130			
Ethylbenzene	0.100	0.08775		mg/Kg		88	70 - 130			
m-Xylene & p-Xylene	0.200	0.2044		mg/Kg		102	70 - 130			
o-Xylene	0.100	0.04728	*-	mg/Kg		47	70 - 130			

	LCS	LCS		
Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	95		70 - 130	
1,4-Difluorobenzene (Surr)	103		70 - 130	

Lab Sample ID: LCSD 880-21288/2-A

Matrix: Solid

Analysis Batch: 21366

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21288

	Spike	LCSD	LCSD						%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD			Limit	
Benzene	0.100	0.08524		mg/Kg		85	70 - 130	9			35	
Toluene	0.100	0.08377		mg/Kg		84	70 - 130	5			35	
Ethylbenzene	0.100	0.08529		mg/Kg		85	70 - 130	3			35	
m-Xylene & p-Xylene	0.200	0.1972		mg/Kg		99	70 - 130	4			35	
o-Xylene	0.100	0.09898	*1	mg/Kg		99	70 - 130	71			35	

	LCSD	LCSD		
Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	92		70 - 130	
1,4-Difluorobenzene (Surr)	101		70 - 130	

Lab Sample ID: 880-12274-1 MS

Matrix: Solid

Analysis Batch: 21366

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

Prep Type: Total/NA

Prep Batch: 21288

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.100	0.06972		mg/Kg		70	70 - 130	
Toluene	<0.00198	U	0.100	0.07182		mg/Kg		71	70 - 130	
Ethylbenzene	<0.00198	U	0.100	0.07434		mg/Kg		74	70 - 130	
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1737		mg/Kg		87	70 - 130	
o-Xylene	<0.00198	U *- *1	0.100	0.08621		mg/Kg		86	70 - 130	

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12274-1 MSD

Matrix: Solid

Analysis Batch: 21366

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

Prep Type: Total/NA

Prep Batch: 21288

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0996	0.07069		mg/Kg		71	70 - 130	1	35
Toluene	<0.00198	U	0.0996	0.07374		mg/Kg		74	70 - 130	3	35
Ethylbenzene	<0.00198	U	0.0996	0.07468		mg/Kg		75	70 - 130	0	35
m-Xylene & p-Xylene	<0.00396	U	0.199	0.1750		mg/Kg		88	70 - 130	1	35
o-Xylene	<0.00198	U *- *1	0.0996	0.08604		mg/Kg		86	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-21289/5-A

Matrix: Solid

Analysis Batch: 21441

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 18:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 18:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 18:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/10/22 11:12	03/12/22 18:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 18:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/10/22 11:12	03/12/22 18:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/10/22 11:12	03/12/22 18:42	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/10/22 11:12	03/12/22 18:42	1

Lab Sample ID: LCS 880-21289/1-A

Matrix: Solid

Analysis Batch: 21441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1099		mg/Kg		110	70 - 130
Toluene	0.100	0.1067		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1052		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2193		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-21289/2-A

Matrix: Solid

Analysis Batch: 21441

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21289

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1130		mg/Kg		113	70 - 130	3	35
Toluene	0.100	0.1096		mg/Kg		110	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-21289/2-A

Matrix: Solid

Analysis Batch: 21441

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21289

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	0.100	0.1078		mg/Kg		108	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2253		mg/Kg		113	70 - 130	3	35
o-Xylene	0.100	0.1103		mg/Kg		110	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-12274-21 MS

Matrix: Solid

Analysis Batch: 21441

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

Prep Type: Total/NA

Prep Batch: 21289

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U F1	0.100	0.06597	F1	mg/Kg		66	70 - 130
Toluene	<0.00202	U F1	0.100	0.06194	F1	mg/Kg		61	70 - 130
Ethylbenzene	<0.00202	U F1	0.100	0.06077	F1	mg/Kg		60	70 - 130
m-Xylene & p-Xylene	<0.00403	U F1	0.201	0.1254	F1	mg/Kg		62	70 - 130
o-Xylene	<0.00202	U F1	0.100	0.06701	F1	mg/Kg		66	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-12274-21 MSD

Matrix: Solid

Analysis Batch: 21441

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

Prep Type: Total/NA

Prep Batch: 21289

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.100	0.05849	F1	mg/Kg		58	70 - 130	12	35
Toluene	<0.00202	U F1	0.100	0.05722	F1	mg/Kg		57	70 - 130	8	35
Ethylbenzene	<0.00202	U F1	0.100	0.05832	F1	mg/Kg		57	70 - 130	4	35
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.1205	F1	mg/Kg		59	70 - 130	4	35
o-Xylene	<0.00202	U F1	0.100	0.06550	F1	mg/Kg		65	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-21365/5-A

Matrix: Solid

Analysis Batch: 21366

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 12:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 12:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 12:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/11/22 08:50	03/11/22 12:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 08:50	03/11/22 12:40	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-21365/5-A

Matrix: Solid

Analysis Batch: 21366

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/11/22 08:50	03/11/22 12:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				03/11/22 08:50	03/11/22 12:40	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/11/22 08:50	03/11/22 12:40	1

Lab Sample ID: MB 880-21455/5-A

Matrix: Solid

Analysis Batch: 21464

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/13/22 12:38	03/14/22 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/13/22 12:38	03/14/22 11:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				03/13/22 12:38	03/14/22 11:20	1
1,4-Difluorobenzene (Surr)	103		70 - 130				03/13/22 12:38	03/14/22 11:20	1

Lab Sample ID: LCS 880-21455/1-A

Matrix: Solid

Analysis Batch: 21464

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1068		mg/Kg		107	70 - 130
Toluene	0.100	0.1051		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1048		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2174		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1062		mg/Kg		106	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	102		70 - 130				
1,4-Difluorobenzene (Surr)	109		70 - 130				

Lab Sample ID: LCSD 880-21455/2-A

Matrix: Solid

Analysis Batch: 21464

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21455

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1030		mg/Kg		103	70 - 130	4	35
Toluene	0.100	0.1004		mg/Kg		100	70 - 130	5	35
Ethylbenzene	0.100	0.1009		mg/Kg		101	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2097		mg/Kg		105	70 - 130	4	35
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-21455/2-A

Matrix: Solid

Analysis Batch: 21464

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21455

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

Lab Sample ID: 880-12274-11 MS

Matrix: Solid

Analysis Batch: 21464

Client Sample ID: S-4 (0-1')

Prep Type: Total/NA

Prep Batch: 21455

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F1	0.0996	0.05807	F1	mg/Kg		58	70 - 130	
Toluene	<0.00199	U F1	0.0996	0.05801	F1	mg/Kg		58	70 - 130	
Ethylbenzene	<0.00199	U F1	0.0996	0.05846	F1	mg/Kg		59	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1189	F1	mg/Kg		60	70 - 130	
o-Xylene	<0.00199	U F1	0.0996	0.06215	F1	mg/Kg		62	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-12274-11 MSD

Matrix: Solid

Analysis Batch: 21464

Client Sample ID: S-4 (0-1')

Prep Type: Total/NA

Prep Batch: 21455

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F1	0.0998	0.04882	F1	mg/Kg		49	70 - 130	17	35
Toluene	<0.00199	U F1	0.0998	0.04688	F1	mg/Kg		47	70 - 130	21	35
Ethylbenzene	<0.00199	U F1	0.0998	0.04609	F1	mg/Kg		46	70 - 130	24	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.09432	F1	mg/Kg		47	70 - 130	23	35
o-Xylene	<0.00199	U F1	0.0998	0.05035	F1	mg/Kg		50	70 - 130	21	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

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

Lab Sample ID: MB 880-21324/1-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21324

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 12:19		1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 12:19		1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:55	03/13/22 12:19		1

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	91		70 - 130	03/10/22 13:55	03/13/22 12:19		1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-21324/1-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21324

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
<i>o</i> -Terphenyl	92		70 - 130	03/10/22 13:55	03/13/22 12:19	1				

Lab Sample ID: LCS 880-21324/2-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21324

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	656.9	*-	mg/Kg		66	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	756.2		mg/Kg		76	70 - 130		
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	89		70 - 130								
<i>o</i> -Terphenyl	85		70 - 130								

Lab Sample ID: LCSD 880-21324/3-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21324

			Spike	LCSD	LCSD				%Rec.		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	723.7		mg/Kg		72	70 - 130	10	20	
Diesel Range Organics (Over C10-C28)			1000	758.2		mg/Kg		76	70 - 130	0	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	88		70 - 130									
<i>o</i> -Terphenyl	83		70 - 130									

Lab Sample ID: 880-12274-1 MS

Matrix: Solid

Analysis Batch: 21446

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

Prep Type: Total/NA

Prep Batch: 21324

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *-	998	1158		mg/Kg		113	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1204		mg/Kg		119	70 - 130		
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
<i>o</i> -Terphenyl	90		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12274-1 MSD

Matrix: Solid

Analysis Batch: 21446

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

Prep Type: Total/NA

Prep Batch: 21324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *	998	1120		mg/Kg		109	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1197		mg/Kg		118	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	90		70 - 130								

Lab Sample ID: MB 880-21325/1-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/13/22 21:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/13/22 21:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/13/22 21:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/10/22 14:09	03/13/22 21:50	1
o-Terphenyl	109		70 - 130				03/10/22 14:09	03/13/22 21:50	1

Lab Sample ID: LCS 880-21325/2-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21325

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	826.9		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	872.1		mg/Kg		87	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	101		70 - 130						
o-Terphenyl	94		70 - 130						

Lab Sample ID: LCSD 880-21325/3-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21325

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	959.8		mg/Kg		96	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	1163	*1	mg/Kg		116	70 - 130	29	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-21325/3-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21325

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: 880-12272-A-1-B MS

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21325

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1206		mg/Kg		119	70 - 130	
Diesel Range Organics (Over C10-C28)	1020	*1	998	1990		mg/Kg		97	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	91		70 - 130							
o-Terphenyl	78		70 - 130							

Lab Sample ID: 880-12272-A-1-C MSD

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21325

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1256		mg/Kg		124	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	1020	*1	998	2087		mg/Kg		107	70 - 130	5	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	97		70 - 130									
o-Terphenyl	80		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-21306/1-A

Matrix: Solid

Analysis Batch: 21619

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			03/16/22 10:17	1	

Lab Sample ID: LCS 880-21306/2-A

Matrix: Solid

Analysis Batch: 21619

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS						%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	244.3		mg/Kg		98	90 - 110			

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-21306/3-A

Matrix: Solid

Analysis Batch: 21619

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	244.2		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-12274-5 MS

Matrix: Solid

Analysis Batch: 21619

Client Sample ID: S-2 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3860		5050	8777		mg/Kg		97	90 - 110		

Lab Sample ID: 880-12274-5 MSD

Matrix: Solid

Analysis Batch: 21619

Client Sample ID: S-2 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3860		5050	8797		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-21596/1-A

Matrix: Solid

Analysis Batch: 21657

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/15/22 20:12	1

Lab Sample ID: LCS 880-21596/2-A

Matrix: Solid

Analysis Batch: 21657

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	238.7		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-21596/3-A

Matrix: Solid

Analysis Batch: 21657

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	238.9		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-12274-15 MS

Matrix: Solid

Analysis Batch: 21657

Client Sample ID: S-5 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8940		2490	11590		mg/Kg		107	90 - 110		

Lab Sample ID: 880-12274-15 MSD

Matrix: Solid

Analysis Batch: 21657

Client Sample ID: S-5 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8940		2490	11570		mg/Kg		106	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-12274-25 MS

Matrix: Solid

Analysis Batch: 21657

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<5.00	U	250	241.4		mg/Kg		95	90 - 110

Lab Sample ID: 880-12274-25 MSD

Matrix: Solid

Analysis Batch: 21657

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<5.00	U	250	235.5		mg/Kg		93	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 21012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21012/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 21146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21146/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21146/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21146/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12263-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
880-12263-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 21288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-1	S-1 (0-1')	Total/NA	Solid	5035	
880-12274-2	S-1 (1.5')	Total/NA	Solid	5035	
880-12274-3	S-1 (2.5')	Total/NA	Solid	5035	
880-12274-4	S-1 (3.5')	Total/NA	Solid	5035	
880-12274-5	S-2 (0-1')	Total/NA	Solid	5035	
880-12274-6	S-2 (1.5')	Total/NA	Solid	5035	
880-12274-7	S-3 (0-1')	Total/NA	Solid	5035	
880-12274-8	S-3 (1.5')	Total/NA	Solid	5035	
880-12274-9	S-3 (2.5')	Total/NA	Solid	5035	
880-12274-10	S-3 (3.5')	Total/NA	Solid	5035	
MB 880-21288/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21288/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21288/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12274-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-12274-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 21289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-21	H-1 (0-0.5')	Total/NA	Solid	5035	
880-12274-22	H-2 (0-0.5')	Total/NA	Solid	5035	
880-12274-23	H-3 (0-0.5')	Total/NA	Solid	5035	
880-12274-24	H-4 (0-0.5')	Total/NA	Solid	5035	
880-12274-25	H-5 (0-0.5')	Total/NA	Solid	5035	
880-12274-26	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-21289/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21289/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21289/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12274-21 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-12274-21 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Prep Batch: 21365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21365/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 21366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-1	S-1 (0-1')	Total/NA	Solid	8021B	21288
880-12274-2	S-1 (1.5')	Total/NA	Solid	8021B	21288
880-12274-3	S-1 (2.5')	Total/NA	Solid	8021B	21288

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QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 21366 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-4	S-1 (3.5')	Total/NA	Solid	8021B	21288
880-12274-5	S-2 (0-1')	Total/NA	Solid	8021B	21288
880-12274-6	S-2 (1.5')	Total/NA	Solid	8021B	21288
880-12274-7	S-3 (0-1')	Total/NA	Solid	8021B	21288
880-12274-8	S-3 (1.5')	Total/NA	Solid	8021B	21288
880-12274-9	S-3 (2.5')	Total/NA	Solid	8021B	21288
880-12274-10	S-3 (3.5')	Total/NA	Solid	8021B	21288
MB 880-21288/5-A	Method Blank	Total/NA	Solid	8021B	21288
MB 880-21365/5-A	Method Blank	Total/NA	Solid	8021B	21365
LCS 880-21288/1-A	Lab Control Sample	Total/NA	Solid	8021B	21288
LCSD 880-21288/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21288
880-12274-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	21288
880-12274-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	21288

Analysis Batch: 21440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21012/5-A	Method Blank	Total/NA	Solid	8021B	21012
MB 880-21146/5-A	Method Blank	Total/NA	Solid	8021B	21146
LCS 880-21146/1-A	Lab Control Sample	Total/NA	Solid	8021B	21146
LCSD 880-21146/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21146
880-12263-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	21146
880-12263-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21146

Analysis Batch: 21441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-21	H-1 (0-0.5')	Total/NA	Solid	8021B	21289
880-12274-22	H-2 (0-0.5')	Total/NA	Solid	8021B	21289
880-12274-23	H-3 (0-0.5')	Total/NA	Solid	8021B	21289
880-12274-24	H-4 (0-0.5')	Total/NA	Solid	8021B	21289
880-12274-25	H-5 (0-0.5')	Total/NA	Solid	8021B	21289
880-12274-26	H-6 (0-0.5')	Total/NA	Solid	8021B	21289
MB 880-21289/5-A	Method Blank	Total/NA	Solid	8021B	21289
LCS 880-21289/1-A	Lab Control Sample	Total/NA	Solid	8021B	21289
LCSD 880-21289/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21289
880-12274-21 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	21289
880-12274-21 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	21289

Prep Batch: 21455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-11	S-4 (0-1')	Total/NA	Solid	5035	
880-12274-12	S-4 (1.5')	Total/NA	Solid	5035	
880-12274-13	S-4 (2.5')	Total/NA	Solid	5035	
880-12274-14	S-5 (0-1')	Total/NA	Solid	5035	
880-12274-15	S-5 (1.5')	Total/NA	Solid	5035	
880-12274-16	S-6 (0-1')	Total/NA	Solid	5035	
880-12274-17	S-6 (1.5')	Total/NA	Solid	5035	
880-12274-18	S-7 (0-1')	Total/NA	Solid	5035	
880-12274-19	S-7 (1.5')	Total/NA	Solid	5035	
880-12274-20	S-7 (2.5')	Total/NA	Solid	5035	
MB 880-21455/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21455/1-A	Lab Control Sample	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 21455 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-21455/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12274-11 MS	S-4 (0-1')	Total/NA	Solid	5035	
880-12274-11 MSD	S-4 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 21464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-11	S-4 (0-1')	Total/NA	Solid	8021B	21455
880-12274-12	S-4 (1.5')	Total/NA	Solid	8021B	21455
880-12274-13	S-4 (2.5')	Total/NA	Solid	8021B	21455
880-12274-14	S-5 (0-1')	Total/NA	Solid	8021B	21455
880-12274-15	S-5 (1.5')	Total/NA	Solid	8021B	21455
880-12274-16	S-6 (0-1')	Total/NA	Solid	8021B	21455
880-12274-17	S-6 (1.5')	Total/NA	Solid	8021B	21455
880-12274-18	S-7 (0-1')	Total/NA	Solid	8021B	21455
880-12274-19	S-7 (1.5')	Total/NA	Solid	8021B	21455
880-12274-20	S-7 (2.5')	Total/NA	Solid	8021B	21455
MB 880-21455/5-A	Method Blank	Total/NA	Solid	8021B	21455
LCS 880-21455/1-A	Lab Control Sample	Total/NA	Solid	8021B	21455
LCSD 880-21455/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21455
880-12274-11 MS	S-4 (0-1')	Total/NA	Solid	8021B	21455
880-12274-11 MSD	S-4 (0-1')	Total/NA	Solid	8021B	21455

Analysis Batch: 21548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-12274-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-12274-3	S-1 (2.5')	Total/NA	Solid	Total BTEX	
880-12274-4	S-1 (3.5')	Total/NA	Solid	Total BTEX	
880-12274-5	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-12274-6	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-12274-7	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-12274-8	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-12274-9	S-3 (2.5')	Total/NA	Solid	Total BTEX	
880-12274-10	S-3 (3.5')	Total/NA	Solid	Total BTEX	
880-12274-11	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-12274-12	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-12274-13	S-4 (2.5')	Total/NA	Solid	Total BTEX	
880-12274-14	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-12274-15	S-5 (1.5')	Total/NA	Solid	Total BTEX	
880-12274-16	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-12274-17	S-6 (1.5')	Total/NA	Solid	Total BTEX	
880-12274-18	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-12274-19	S-7 (1.5')	Total/NA	Solid	Total BTEX	
880-12274-20	S-7 (2.5')	Total/NA	Solid	Total BTEX	
880-12274-21	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-12274-22	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-12274-23	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-12274-24	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-12274-25	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-12274-26	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

GC Semi VOA

Prep Batch: 21324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-12274-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-12274-3	S-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-12274-4	S-1 (3.5')	Total/NA	Solid	8015NM Prep	
880-12274-5	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-12274-6	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-12274-7	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-12274-8	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-12274-9	S-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-12274-10	S-3 (3.5')	Total/NA	Solid	8015NM Prep	
880-12274-11	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-12274-12	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-12274-13	S-4 (2.5')	Total/NA	Solid	8015NM Prep	
880-12274-14	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-12274-15	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-12274-16	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-12274-17	S-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-12274-18	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-12274-19	S-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-12274-20	S-7 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-21324/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21324/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21324/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12274-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-12274-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 21325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-21	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-12274-22	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-12274-23	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-12274-24	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-12274-25	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-12274-26	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-21325/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21325/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12272-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-12272-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 21446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-1	S-1 (0-1')	Total/NA	Solid	8015B NM	21324
880-12274-2	S-1 (1.5')	Total/NA	Solid	8015B NM	21324
880-12274-3	S-1 (2.5')	Total/NA	Solid	8015B NM	21324
880-12274-4	S-1 (3.5')	Total/NA	Solid	8015B NM	21324
880-12274-5	S-2 (0-1')	Total/NA	Solid	8015B NM	21324
880-12274-6	S-2 (1.5')	Total/NA	Solid	8015B NM	21324
880-12274-7	S-3 (0-1')	Total/NA	Solid	8015B NM	21324
880-12274-8	S-3 (1.5')	Total/NA	Solid	8015B NM	21324
880-12274-9	S-3 (2.5')	Total/NA	Solid	8015B NM	21324

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 21446 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-10	S-3 (3.5')	Total/NA	Solid	8015B NM	21324
880-12274-11	S-4 (0-1')	Total/NA	Solid	8015B NM	21324
880-12274-12	S-4 (1.5')	Total/NA	Solid	8015B NM	21324
880-12274-13	S-4 (2.5')	Total/NA	Solid	8015B NM	21324
880-12274-14	S-5 (0-1')	Total/NA	Solid	8015B NM	21324
880-12274-15	S-5 (1.5')	Total/NA	Solid	8015B NM	21324
880-12274-16	S-6 (0-1')	Total/NA	Solid	8015B NM	21324
880-12274-17	S-6 (1.5')	Total/NA	Solid	8015B NM	21324
880-12274-18	S-7 (0-1')	Total/NA	Solid	8015B NM	21324
880-12274-19	S-7 (1.5')	Total/NA	Solid	8015B NM	21324
880-12274-20	S-7 (2.5')	Total/NA	Solid	8015B NM	21324
880-12274-21	H-1 (0-0.5')	Total/NA	Solid	8015B NM	21325
880-12274-22	H-2 (0-0.5')	Total/NA	Solid	8015B NM	21325
880-12274-23	H-3 (0-0.5')	Total/NA	Solid	8015B NM	21325
880-12274-24	H-4 (0-0.5')	Total/NA	Solid	8015B NM	21325
880-12274-25	H-5 (0-0.5')	Total/NA	Solid	8015B NM	21325
880-12274-26	H-6 (0-0.5')	Total/NA	Solid	8015B NM	21325
MB 880-21324/1-A	Method Blank	Total/NA	Solid	8015B NM	21324
MB 880-21325/1-A	Method Blank	Total/NA	Solid	8015B NM	21325
LCS 880-21324/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21324
LCS 880-21325/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21325
LCSD 880-21324/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21324
LCSD 880-21325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21325
880-12272-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	21325
880-12272-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	21325
880-12274-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	21324
880-12274-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	21324

Analysis Batch: 21478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-12274-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-12274-3	S-1 (2.5')	Total/NA	Solid	8015 NM	
880-12274-4	S-1 (3.5')	Total/NA	Solid	8015 NM	
880-12274-5	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-12274-6	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-12274-7	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-12274-8	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-12274-9	S-3 (2.5')	Total/NA	Solid	8015 NM	
880-12274-10	S-3 (3.5')	Total/NA	Solid	8015 NM	
880-12274-11	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-12274-12	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-12274-13	S-4 (2.5')	Total/NA	Solid	8015 NM	
880-12274-14	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-12274-15	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-12274-16	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-12274-17	S-6 (1.5')	Total/NA	Solid	8015 NM	
880-12274-18	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-12274-19	S-7 (1.5')	Total/NA	Solid	8015 NM	
880-12274-20	S-7 (2.5')	Total/NA	Solid	8015 NM	
880-12274-21	H-1 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 21478 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-22	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-12274-23	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-12274-24	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-12274-25	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-12274-26	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 21306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-12274-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-12274-3	S-1 (2.5')	Soluble	Solid	DI Leach	
880-12274-4	S-1 (3.5')	Soluble	Solid	DI Leach	
880-12274-5	S-2 (0-1')	Soluble	Solid	DI Leach	
880-12274-6	S-2 (1.5')	Soluble	Solid	DI Leach	
880-12274-7	S-3 (0-1')	Soluble	Solid	DI Leach	
880-12274-8	S-3 (1.5')	Soluble	Solid	DI Leach	
880-12274-9	S-3 (2.5')	Soluble	Solid	DI Leach	
880-12274-10	S-3 (3.5')	Soluble	Solid	DI Leach	
880-12274-11	S-4 (0-1')	Soluble	Solid	DI Leach	
880-12274-12	S-4 (1.5')	Soluble	Solid	DI Leach	
880-12274-13	S-4 (2.5')	Soluble	Solid	DI Leach	
880-12274-14	S-5 (0-1')	Soluble	Solid	DI Leach	
MB 880-21306/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21306/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21306/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12274-5 MS	S-2 (0-1')	Soluble	Solid	DI Leach	
880-12274-5 MSD	S-2 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 21596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-15	S-5 (1.5')	Soluble	Solid	DI Leach	
880-12274-16	S-6 (0-1')	Soluble	Solid	DI Leach	
880-12274-17	S-6 (1.5')	Soluble	Solid	DI Leach	
880-12274-18	S-7 (0-1')	Soluble	Solid	DI Leach	
880-12274-19	S-7 (1.5')	Soluble	Solid	DI Leach	
880-12274-20	S-7 (2.5')	Soluble	Solid	DI Leach	
880-12274-21	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-12274-22	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-12274-23	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-12274-24	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-12274-25	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-12274-26	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-21596/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21596/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21596/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12274-15 MS	S-5 (1.5')	Soluble	Solid	DI Leach	
880-12274-15 MSD	S-5 (1.5')	Soluble	Solid	DI Leach	
880-12274-25 MS	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-12274-25 MSD	H-5 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

HPLC/IC

Analysis Batch: 21619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-1	S-1 (0-1')	Soluble	Solid	300.0	21306
880-12274-2	S-1 (1.5')	Soluble	Solid	300.0	21306
880-12274-3	S-1 (2.5')	Soluble	Solid	300.0	21306
880-12274-4	S-1 (3.5')	Soluble	Solid	300.0	21306
880-12274-5	S-2 (0-1')	Soluble	Solid	300.0	21306
880-12274-6	S-2 (1.5')	Soluble	Solid	300.0	21306
880-12274-7	S-3 (0-1')	Soluble	Solid	300.0	21306
880-12274-8	S-3 (1.5')	Soluble	Solid	300.0	21306
880-12274-9	S-3 (2.5')	Soluble	Solid	300.0	21306
880-12274-10	S-3 (3.5')	Soluble	Solid	300.0	21306
880-12274-11	S-4 (0-1')	Soluble	Solid	300.0	21306
880-12274-12	S-4 (1.5')	Soluble	Solid	300.0	21306
880-12274-13	S-4 (2.5')	Soluble	Solid	300.0	21306
880-12274-14	S-5 (0-1')	Soluble	Solid	300.0	21306
MB 880-21306/1-A	Method Blank	Soluble	Solid	300.0	21306
LCS 880-21306/2-A	Lab Control Sample	Soluble	Solid	300.0	21306
LCSD 880-21306/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21306
880-12274-5 MS	S-2 (0-1')	Soluble	Solid	300.0	21306
880-12274-5 MSD	S-2 (0-1')	Soluble	Solid	300.0	21306

Analysis Batch: 21657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12274-15	S-5 (1.5')	Soluble	Solid	300.0	21596
880-12274-16	S-6 (0-1')	Soluble	Solid	300.0	21596
880-12274-17	S-6 (1.5')	Soluble	Solid	300.0	21596
880-12274-18	S-7 (0-1')	Soluble	Solid	300.0	21596
880-12274-19	S-7 (1.5')	Soluble	Solid	300.0	21596
880-12274-20	S-7 (2.5')	Soluble	Solid	300.0	21596
880-12274-21	H-1 (0-0.5')	Soluble	Solid	300.0	21596
880-12274-22	H-2 (0-0.5')	Soluble	Solid	300.0	21596
880-12274-23	H-3 (0-0.5')	Soluble	Solid	300.0	21596
880-12274-24	H-4 (0-0.5')	Soluble	Solid	300.0	21596
880-12274-25	H-5 (0-0.5')	Soluble	Solid	300.0	21596
880-12274-26	H-6 (0-0.5')	Soluble	Solid	300.0	21596
MB 880-21596/1-A	Method Blank	Soluble	Solid	300.0	21596
LCS 880-21596/2-A	Lab Control Sample	Soluble	Solid	300.0	21596
LCSD 880-21596/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21596
880-12274-15 MS	S-5 (1.5')	Soluble	Solid	300.0	21596
880-12274-15 MSD	S-5 (1.5')	Soluble	Solid	300.0	21596
880-12274-25 MS	H-5 (0-0.5')	Soluble	Solid	300.0	21596
880-12274-25 MSD	H-5 (0-0.5')	Soluble	Solid	300.0	21596

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12274-1

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	21288	03/10/22 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/12/22 00:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 13:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		20			21619	03/16/22 13:33	CH	XEN MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-12274-2

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21288	03/10/22 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/12/22 01:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 14:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		20			21619	03/16/22 13:41	CH	XEN MID

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-12274-3

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21288	03/10/22 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/12/22 01:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 14:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		10			21619	03/16/22 13:50	CH	XEN MID

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-12274-4

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	21288	03/10/22 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/12/22 01:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-12274-4

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 15:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		10			21619	03/16/22 13:59	CH	XEN MID

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-12274-5

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21288	03/10/22 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/12/22 02:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 15:33	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		20			21619	03/16/22 14:08	CH	XEN MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-12274-6

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21288	03/10/22 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/12/22 02:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 15:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		20			21619	03/16/22 14:35	CH	XEN MID

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-12274-7

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21288	03/10/22 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/12/22 02:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 16:15	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-12274-7

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		20			21619	03/16/22 14:43	CH	XEN MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-12274-8

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	21288	03/10/22 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/12/22 03:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 16:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		20			21619	03/16/22 15:10	CH	XEN MID

Client Sample ID: S-3 (2.5')

Lab Sample ID: 880-12274-9

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21288	03/10/22 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/12/22 03:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 16:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		20			21619	03/16/22 15:19	CH	XEN MID

Client Sample ID: S-3 (3.5')

Lab Sample ID: 880-12274-10

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21288	03/10/22 11:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/12/22 03:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 17:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		20			21619	03/16/22 15:28	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-12274-11

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21455	03/13/22 12:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21464	03/14/22 11:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 18:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		20			21619	03/16/22 15:36	CH	XEN MID

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-12274-12

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21455	03/13/22 12:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21464	03/14/22 12:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 18:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		20			21619	03/16/22 15:45	CH	XEN MID

Client Sample ID: S-4 (2.5')

Lab Sample ID: 880-12274-13

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	21455	03/13/22 12:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21464	03/14/22 12:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 18:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		20			21619	03/16/22 15:54	CH	XEN MID

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-12274-14

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21455	03/13/22 12:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21464	03/14/22 12:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-12274-14

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 19:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		20			21619	03/16/22 16:03	CH	XEN MID

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-12274-15

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	21455	03/13/22 12:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21464	03/14/22 13:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 19:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		10			21657	03/16/22 17:40	CH	XEN MID

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-12274-16

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	21455	03/13/22 12:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21464	03/14/22 13:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 19:43	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		20			21657	03/15/22 21:06	CH	XEN MID

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-12274-17

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21455	03/13/22 12:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21464	03/14/22 13:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 20:04	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Client Sample ID: S-6 (1.5')

Date Collected: 03/09/22 00:00

Date Received: 03/10/22 10:15

Lab Sample ID: 880-12274-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		20			21657	03/15/22 21:14	CH	XEN MID

Client Sample ID: S-7 (0-1')

Date Collected: 03/09/22 00:00

Date Received: 03/10/22 10:15

Lab Sample ID: 880-12274-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21455	03/13/22 12:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21464	03/14/22 14:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 20:24	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		10			21657	03/15/22 21:23	CH	XEN MID

Client Sample ID: S-7 (1.5')

Date Collected: 03/09/22 00:00

Date Received: 03/10/22 10:15

Lab Sample ID: 880-12274-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	21455	03/13/22 12:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21464	03/14/22 14:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 20:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		20			21657	03/15/22 21:32	CH	XEN MID

Client Sample ID: S-7 (2.5')

Date Collected: 03/09/22 00:00

Date Received: 03/10/22 10:15

Lab Sample ID: 880-12274-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21455	03/13/22 12:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21464	03/14/22 14:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21324	03/10/22 13:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/13/22 21:07	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		5			21657	03/15/22 21:59	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12274-21

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/12/22 19:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 04:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		1			21657	03/15/22 22:08	CH	XEN MID

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

Lab Sample ID: 880-12274-22

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/12/22 19:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 04:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		1			21657	03/15/22 22:17	CH	XEN MID

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

Lab Sample ID: 880-12274-23

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/12/22 19:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 04:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		1			21657	03/15/22 22:25	CH	XEN MID

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

Lab Sample ID: 880-12274-24

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/12/22 20:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12274-24

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 05:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		1			21657	03/15/22 22:34	CH	XEN MID

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

Lab Sample ID: 880-12274-25

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/12/22 20:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 05:29	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		1			21657	03/15/22 22:43	CH	XEN MID

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-12274-26

Date Collected: 03/09/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/12/22 20:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21548	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21478	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 05:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21596	03/15/22 08:22	CH	XEN MID
Soluble	Analysis	300.0		1			21657	03/15/22 23:10	CH	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:

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

Sample Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-12274-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-12274-1	S-1 (0-1')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-2	S-1 (1.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-3	S-1 (2.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-4	S-1 (3.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-5	S-2 (0-1')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-6	S-2 (1.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-7	S-3 (0-1')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-8	S-3 (1.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-9	S-3 (2.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-10	S-3 (3.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-11	S-4 (0-1')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-12	S-4 (1.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-13	S-4 (2.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-14	S-5 (0-1')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-15	S-5 (1.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-16	S-6 (0-1')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-17	S-6 (1.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-18	S-7 (0-1')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-19	S-7 (1.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-20	S-7 (2.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-21	H-1 (0-0.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-22	H-2 (0-0.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-23	H-3 (0-0.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-24	H-4 (0-0.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-25	H-5 (0-0.5')	Solid	03/09/22 00:00	03/10/22 10:15
880-12274-26	H-6 (0-0.5')	Solid	03/09/22 00:00	03/10/22 10:15

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Work Order No: 12274

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Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 West Wall Ste 415	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving NM 88256
Phone	432-813-6823	Email	jacquiharris@conocophillips.com

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

Project Name	Copperhead Fee A 3H (02 08 22)	Turn Around	☐ Routine ☒ Rush	Pres. Code		ANALYSIS REQUEST		Preservative Codes
Project Number	1023	Due Date	72Hrs					None NO
Project Location	Eddy Co. NM	TAT starts the day received by the lab, if received by 4 30pm						DI Water H ₂ O
Sampler's Name	CRM							Cool Cool
PO #								HCL HC
								H ₂ SO ₄ H ₂
								H ₃ PO ₄ HP
								NaHSO ₄ NABIS
								Na ₂ S ₂ O ₃ NaSO ₃
								Zn Acetate+NaOH Zn
								NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
S-1 (0-1')	3/9/2022		X		G	1	BTEX 8021B	
S-1 (1 5')	3/9/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)	
S-1 (2 5')	3/9/2022		X		G	1	Chloride 300 0	
S-1 (3 5')	3/9/2022		X		G	1		
S-2 (0-1')	3/9/2022		X		G	1		
S-2 (1 5')	3/9/2022		X		G	1		
S-3 (0-1')	3/9/2022		X		G	1		
S-3 (1 5')	3/9/2022		X		G	1		
S-3 (2 5')	3/9/2022		X		G	1		
S-3 (3 5')	3/9/2022		X		G	1		



860-12274 Chain of Custody

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	<i>Jacqui Harris</i>	3/10/22			2
		10:15			4
					6

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 West Wall Ste 415	Address	15 W Loving Rd
City, State ZIP	Midland TX 79701	City, State ZIP	Loving, NM 88256
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ brownfields ☐ RRC ☐ superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other ☐	

[illegible][illegible]

Additoinal Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated in writing.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	3/10/22	2		
3		10:15	4		
5			6		

Work Order No: 12274

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-12274-1

SDG Number: Eddy Co, NM

Login Number: 12274

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.	N/A	No time on COC, logged in per container labels.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-14143-1

Laboratory Sample Delivery Group: Eddy Co,NM

Client Project/Site: Copperhead Fee A 3H (02.08.22)

For:

Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

Authorized for release by:

5/3/2022 9:53:19 AM

Brianna Teel, Project Manager
(432)704-5440

Brianna.Teel@et.eurofinsus.com

Designee for

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Laboratory Job ID: 880-14143-1
SDG: Eddy Co,NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Job ID: 880-14143-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-14143-1****Receipt**

The samples were received on 4/27/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C

Receipt Exceptions

The following sample was listed on the Chain of Custody (COC); however, no sample was received: BH-4 (14-15') (880-14143-24).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-24409 and analytical batch 880-24589 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-24423 and analytical batch 880-24569 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

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 preparation batch 880-24332 and analytical batch 880-24518 were outside control limits. Incorrect spike amount 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.

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-1 (0-1')

Lab Sample ID: 880-14143-1

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- F1	0.00201		mg/Kg		04/28/22 11:34	05/02/22 04:00	1
Toluene	<0.00201	U *-	0.00201		mg/Kg		04/28/22 11:34	05/02/22 04:00	1
Ethylbenzene	<0.00201	U *-	0.00201		mg/Kg		04/28/22 11:34	05/02/22 04:00	1
m-Xylene & p-Xylene	<0.00402	U *-	0.00402		mg/Kg		04/28/22 11:34	05/02/22 04:00	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		04/28/22 11:34	05/02/22 04:00	1
Xylenes, Total	<0.00402	U *-	0.00402		mg/Kg		04/28/22 11:34	05/02/22 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/28/22 11:34	05/02/22 04:00	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/28/22 11:34	05/02/22 04:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 12:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 12:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 12:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	04/27/22 15:01	05/01/22 12:35	1
o-Terphenyl	95		70 - 130	04/27/22 15:01	05/01/22 12:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	297		4.98		mg/Kg			04/29/22 14:17	1

Client Sample ID: BH-1 (2-3')

Lab Sample ID: 880-14143-2

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		04/28/22 11:34	05/02/22 04:20	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		04/28/22 11:34	05/02/22 04:20	1
Ethylbenzene	<0.00200	U *-	0.00200		mg/Kg		04/28/22 11:34	05/02/22 04:20	1
m-Xylene & p-Xylene	<0.00399	U *-	0.00399		mg/Kg		04/28/22 11:34	05/02/22 04:20	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		04/28/22 11:34	05/02/22 04:20	1
Xylenes, Total	<0.00399	U *-	0.00399		mg/Kg		04/28/22 11:34	05/02/22 04:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/28/22 11:34	05/02/22 04:20	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/28/22 11:34	05/02/22 04:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-1 (2-3')

Lab Sample ID: 880-14143-2

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 13:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 13:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				04/27/22 15:01	05/01/22 13:38	1
o-Terphenyl	101		70 - 130				04/27/22 15:01	05/01/22 13:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	685		4.95		mg/Kg			04/29/22 14:45	1

Client Sample ID: BH-1 (4-5')

Lab Sample ID: 880-14143-3

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 04:40	1
Toluene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 04:40	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 04:40	1
m-Xylene & p-Xylene	<0.00403	U *	0.00403		mg/Kg		04/28/22 11:34	05/02/22 04:40	1
o-Xylene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 04:40	1
Xylenes, Total	<0.00403	U *	0.00403		mg/Kg		04/28/22 11:34	05/02/22 04:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				04/28/22 11:34	05/02/22 04:40	1
1,4-Difluorobenzene (Surr)	96		70 - 130				04/28/22 11:34	05/02/22 04:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 14:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 14:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-1 (4-5')

Lab Sample ID: 880-14143-3

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				04/27/22 15:01	05/01/22 14:00	1
o-Terphenyl	110		70 - 130				04/27/22 15:01	05/01/22 14:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1240		4.99		mg/Kg			04/29/22 14:54	1

Client Sample ID: BH-1 (6-7')

Lab Sample ID: 880-14143-4

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 05:01	1
Toluene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 05:01	1
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 05:01	1
m-Xylene & p-Xylene	<0.00402	U *	0.00402		mg/Kg		04/28/22 11:34	05/02/22 05:01	1
o-Xylene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 05:01	1
Xylenes, Total	<0.00402	U *	0.00402		mg/Kg		04/28/22 11:34	05/02/22 05:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				04/28/22 11:34	05/02/22 05:01	1
1,4-Difluorobenzene (Surr)	98		70 - 130				04/28/22 11:34	05/02/22 05:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 14:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 14:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				04/27/22 15:01	05/01/22 14:21	1
o-Terphenyl	107		70 - 130				04/27/22 15:01	05/01/22 14:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	661		5.00		mg/Kg			04/29/22 15:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-1 (9-10')

Lab Sample ID: 880-14143-5

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 05:21	1
Toluene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 05:21	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 05:21	1
m-Xylene & p-Xylene	<0.00399	U *	0.00399		mg/Kg		04/28/22 11:34	05/02/22 05:21	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 05:21	1
Xylenes, Total	<0.00399	U *	0.00399		mg/Kg		04/28/22 11:34	05/02/22 05:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	04/28/22 11:34	05/02/22 05:21	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/28/22 11:34	05/02/22 05:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 14:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 14:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	04/27/22 15:01	05/01/22 14:43	1
o-Terphenyl	99		70 - 130	04/27/22 15:01	05/01/22 14:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	262		4.97		mg/Kg			04/29/22 15:13	1

Client Sample ID: BH-2 (0-1')

Lab Sample ID: 880-14143-6

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 05:42	1
Toluene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 05:42	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 05:42	1
m-Xylene & p-Xylene	<0.00400	U *	0.00400		mg/Kg		04/28/22 11:34	05/02/22 05:42	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 05:42	1
Xylenes, Total	<0.00400	U *	0.00400		mg/Kg		04/28/22 11:34	05/02/22 05:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/28/22 11:34	05/02/22 05:42	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/28/22 11:34	05/02/22 05:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-2 (0-1')

Lab Sample ID: 880-14143-6

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 15:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 15:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 15:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				04/27/22 15:01	05/01/22 15:04	1
o-Terphenyl	112		70 - 130				04/27/22 15:01	05/01/22 15:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11200		50.0		mg/Kg			05/01/22 15:26	10

Client Sample ID: BH-2 (2-3')

Lab Sample ID: 880-14143-7

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199		mg/Kg		04/28/22 11:34	05/02/22 06:02	1
Toluene	<0.00199	U *	0.00199		mg/Kg		04/28/22 11:34	05/02/22 06:02	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		04/28/22 11:34	05/02/22 06:02	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		04/28/22 11:34	05/02/22 06:02	1
o-Xylene	<0.00199	U *	0.00199		mg/Kg		04/28/22 11:34	05/02/22 06:02	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		04/28/22 11:34	05/02/22 06:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				04/28/22 11:34	05/02/22 06:02	1
1,4-Difluorobenzene (Surr)	97		70 - 130				04/28/22 11:34	05/02/22 06:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 15:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 15:25	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-2 (2-3')

Lab Sample ID: 880-14143-7

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 15:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				04/27/22 15:01	05/01/22 15:25	1
o-Terphenyl	102		70 - 130				04/27/22 15:01	05/01/22 15:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7680		99.4		mg/Kg			04/30/22 19:48	20

Client Sample ID: BH-2 (4-5')

Lab Sample ID: 880-14143-8

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *	0.00198		mg/Kg		04/28/22 11:34	05/02/22 06:22	1
Toluene	<0.00198	U *	0.00198		mg/Kg		04/28/22 11:34	05/02/22 06:22	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		04/28/22 11:34	05/02/22 06:22	1
m-Xylene & p-Xylene	<0.00397	U *	0.00397		mg/Kg		04/28/22 11:34	05/02/22 06:22	1
o-Xylene	<0.00198	U *	0.00198		mg/Kg		04/28/22 11:34	05/02/22 06:22	1
Xylenes, Total	<0.00397	U *	0.00397		mg/Kg		04/28/22 11:34	05/02/22 06:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				04/28/22 11:34	05/02/22 06:22	1
1,4-Difluorobenzene (Surr)	97		70 - 130				04/28/22 11:34	05/02/22 06:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 15:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 15:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				04/27/22 15:01	05/01/22 15:47	1
o-Terphenyl	93		70 - 130				04/27/22 15:01	05/01/22 15:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4450		49.8		mg/Kg			04/30/22 19:57	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-2 (6-7')

Lab Sample ID: 880-14143-9

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 06:43	1
Toluene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 06:43	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 06:43	1
m-Xylene & p-Xylene	<0.00404	U *	0.00404		mg/Kg		04/28/22 11:34	05/02/22 06:43	1
o-Xylene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 06:43	1
Xylenes, Total	<0.00404	U *	0.00404		mg/Kg		04/28/22 11:34	05/02/22 06:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/28/22 11:34	05/02/22 06:43	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/28/22 11:34	05/02/22 06:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 16:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 16:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	04/27/22 15:01	05/01/22 16:08	1
o-Terphenyl	109		70 - 130	04/27/22 15:01	05/01/22 16:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	344		4.95		mg/Kg			04/29/22 16:08	1

Client Sample ID: BH-3 (0-1')

Lab Sample ID: 880-14143-11

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 09:18	1
Toluene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 09:18	1
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 09:18	1
m-Xylene & p-Xylene	<0.00402	U *	0.00402		mg/Kg		04/28/22 11:34	05/02/22 09:18	1
o-Xylene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 09:18	1
Xylenes, Total	<0.00402	U *	0.00402		mg/Kg		04/28/22 11:34	05/02/22 09:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	04/28/22 11:34	05/02/22 09:18	1
1,4-Difluorobenzene (Surr)	98		70 - 130	04/28/22 11:34	05/02/22 09:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-3 (0-1')

Lab Sample ID: 880-14143-11

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 17:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 17:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				04/27/22 15:01	05/01/22 17:12	1
o-Terphenyl	115		70 - 130				04/27/22 15:01	05/01/22 17:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8280		99.2		mg/Kg			04/29/22 16:18	20

Client Sample ID: BH-3 (2-3')

Lab Sample ID: 880-14143-12

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 09:38	1
Toluene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 09:38	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 09:38	1
m-Xylene & p-Xylene	<0.00403	U *	0.00403		mg/Kg		04/28/22 11:34	05/02/22 09:38	1
o-Xylene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 09:38	1
Xylenes, Total	<0.00403	U *	0.00403		mg/Kg		04/28/22 11:34	05/02/22 09:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				04/28/22 11:34	05/02/22 09:38	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/28/22 11:34	05/02/22 09:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 17:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 17:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-3 (2-3')

Lab Sample ID: 880-14143-12

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				04/27/22 15:01	05/01/22 17:34	1
o-Terphenyl	105		70 - 130				04/27/22 15:01	05/01/22 17:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7620	F1	99.8		mg/Kg			04/29/22 16:28	20

Client Sample ID: BH-3 (4-5')

Lab Sample ID: 880-14143-13

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 09:58	1
Toluene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 09:58	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 09:58	1
m-Xylene & p-Xylene	<0.00399	U *	0.00399		mg/Kg		04/28/22 11:34	05/02/22 09:58	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 09:58	1
Xylenes, Total	<0.00399	U *	0.00399		mg/Kg		04/28/22 11:34	05/02/22 09:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				04/28/22 11:34	05/02/22 09:58	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/28/22 11:34	05/02/22 09:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 17:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 17:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				04/27/22 15:01	05/01/22 17:55	1
o-Terphenyl	104		70 - 130				04/27/22 15:01	05/01/22 17:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		49.8		mg/Kg			04/30/22 20:06	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-3 (6-7')

Lab Sample ID: 880-14143-14

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 10:19	1
Toluene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 10:19	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 10:19	1
m-Xylene & p-Xylene	<0.00401	U *	0.00401		mg/Kg		04/28/22 11:34	05/02/22 10:19	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 10:19	1
Xylenes, Total	<0.00401	U *	0.00401		mg/Kg		04/28/22 11:34	05/02/22 10:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/28/22 11:34	05/02/22 10:19	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/28/22 11:34	05/02/22 10:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 18:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 18:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	04/27/22 15:01	05/01/22 18:38	1
o-Terphenyl	121		70 - 130	04/27/22 15:01	05/01/22 18:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5050		101		mg/Kg			04/29/22 17:06	20

Client Sample ID: BH-3 (9-10')

Lab Sample ID: 880-14143-15

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 10:39	1
Toluene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 10:39	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 10:39	1
m-Xylene & p-Xylene	<0.00400	U *	0.00400		mg/Kg		04/28/22 11:34	05/02/22 10:39	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 10:39	1
Xylenes, Total	<0.00400	U *	0.00400		mg/Kg		04/28/22 11:34	05/02/22 10:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/28/22 11:34	05/02/22 10:39	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/28/22 11:34	05/02/22 10:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-3 (9-10')

Lab Sample ID: 880-14143-15

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 18:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 18:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				04/27/22 15:01	05/01/22 18:59	1
o-Terphenyl	90		70 - 130				04/27/22 15:01	05/01/22 18:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4000		99.4		mg/Kg			04/29/22 17:35	20

Client Sample ID: BH-3 (12-13')

Lab Sample ID: 880-14143-16

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 11:00	1
Toluene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 11:00	1
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 11:00	1
m-Xylene & p-Xylene	<0.00402	U *	0.00402		mg/Kg		04/28/22 11:34	05/02/22 11:00	1
o-Xylene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 11:00	1
Xylenes, Total	<0.00402	U *	0.00402		mg/Kg		04/28/22 11:34	05/02/22 11:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				04/28/22 11:34	05/02/22 11:00	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/28/22 11:34	05/02/22 11:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 19:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 19:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-3 (12-13')

Lab Sample ID: 880-14143-16

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				04/27/22 15:01	05/01/22 19:21	1
o-Terphenyl	103		70 - 130				04/27/22 15:01	05/01/22 19:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1010		4.99		mg/Kg			04/29/22 17:44	1

Client Sample ID: BH-3 (14-15')

Lab Sample ID: 880-14143-17

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 11:20	1
Toluene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 11:20	1
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 11:20	1
m-Xylene & p-Xylene	<0.00402	U *	0.00402		mg/Kg		04/28/22 11:34	05/02/22 11:20	1
o-Xylene	<0.00201	U *	0.00201		mg/Kg		04/28/22 11:34	05/02/22 11:20	1
Xylenes, Total	<0.00402	U *	0.00402		mg/Kg		04/28/22 11:34	05/02/22 11:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				04/28/22 11:34	05/02/22 11:20	1
1,4-Difluorobenzene (Surr)	98		70 - 130				04/28/22 11:34	05/02/22 11:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 19:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				04/27/22 15:01	05/01/22 19:42	1
o-Terphenyl	112		70 - 130				04/27/22 15:01	05/01/22 19:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.5		4.98		mg/Kg			04/29/22 17:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-4 (0-1')

Lab Sample ID: 880-14143-18

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199		mg/Kg		04/28/22 11:34	05/02/22 11:41	1
Toluene	<0.00199	U *	0.00199		mg/Kg		04/28/22 11:34	05/02/22 11:41	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		04/28/22 11:34	05/02/22 11:41	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		04/28/22 11:34	05/02/22 11:41	1
o-Xylene	<0.00199	U *	0.00199		mg/Kg		04/28/22 11:34	05/02/22 11:41	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		04/28/22 11:34	05/02/22 11:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/28/22 11:34	05/02/22 11:41	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/28/22 11:34	05/02/22 11:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 20:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 20:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 20:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	04/27/22 15:01	05/01/22 20:04	1
o-Terphenyl	100		70 - 130	04/27/22 15:01	05/01/22 20:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8680		99.4		mg/Kg			04/29/22 18:03	20

Client Sample ID: BH-4 (2-3')

Lab Sample ID: 880-14143-19

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 12:01	1
Toluene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 12:01	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 12:01	1
m-Xylene & p-Xylene	<0.00399	U *	0.00399		mg/Kg		04/28/22 11:34	05/02/22 12:01	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		04/28/22 11:34	05/02/22 12:01	1
Xylenes, Total	<0.00399	U *	0.00399		mg/Kg		04/28/22 11:34	05/02/22 12:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/28/22 11:34	05/02/22 12:01	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/28/22 11:34	05/02/22 12:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-4 (2-3')

Lab Sample ID: 880-14143-19

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 20:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 20:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:01	05/01/22 20:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				04/27/22 15:01	05/01/22 20:25	1
o-Terphenyl	91		70 - 130				04/27/22 15:01	05/01/22 20:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6530		49.8		mg/Kg			04/29/22 18:13	10

Client Sample ID: BH-4 (4-5')

Lab Sample ID: 880-14143-20

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 12:22	1
Toluene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 12:22	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 12:22	1
m-Xylene & p-Xylene	<0.00404	U *	0.00404		mg/Kg		04/28/22 11:34	05/02/22 12:22	1
o-Xylene	<0.00202	U *	0.00202		mg/Kg		04/28/22 11:34	05/02/22 12:22	1
Xylenes, Total	<0.00404	U *	0.00404		mg/Kg		04/28/22 11:34	05/02/22 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				04/28/22 11:34	05/02/22 12:22	1
1,4-Difluorobenzene (Surr)	98		70 - 130				04/28/22 11:34	05/02/22 12:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/27/22 15:01	05/01/22 20:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/27/22 15:01	05/01/22 20:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-4 (4-5')

Lab Sample ID: 880-14143-20

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/27/22 15:01	05/01/22 20:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				04/27/22 15:01	05/01/22 20:47	1
o-Terphenyl	100		70 - 130				04/27/22 15:01	05/01/22 20:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3700		49.5		mg/Kg			04/29/22 18:22	10

Client Sample ID: BH-4 (6-7')

Lab Sample ID: 880-14143-21

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:39	05/02/22 17:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:39	05/02/22 17:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:39	05/02/22 17:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/28/22 11:39	05/02/22 17:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:39	05/02/22 17:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/28/22 11:39	05/02/22 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				04/28/22 11:39	05/02/22 17:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130				04/28/22 11:39	05/02/22 17:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/01/22 22:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/01/22 22:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/01/22 22:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				04/27/22 15:06	05/01/22 22:33	1
o-Terphenyl	128		70 - 130				04/27/22 15:06	05/01/22 22:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1810		49.9		mg/Kg			04/29/22 18:32	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-4 (9-10')

Lab Sample ID: 880-14143-22

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 17:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 17:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 17:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/28/22 11:39	05/02/22 17:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 17:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/28/22 11:39	05/02/22 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	04/28/22 11:39	05/02/22 17:52	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/28/22 11:39	05/02/22 17:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/01/22 23:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/01/22 23:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/01/22 23:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	04/27/22 15:06	05/01/22 23:38	1
o-Terphenyl	89		70 - 130	04/27/22 15:06	05/01/22 23:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	487		4.96		mg/Kg			04/29/22 18:27	1

Client Sample ID: BH-4 (12-13')

Lab Sample ID: 880-14143-23

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 18:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 18:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 18:12	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/28/22 11:39	05/02/22 18:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 18:12	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/28/22 11:39	05/02/22 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	04/28/22 11:39	05/02/22 18:12	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/28/22 11:39	05/02/22 18:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-4 (12-13')

Lab Sample ID: 880-14143-23

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/01/22 23:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/01/22 23:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/01/22 23:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				04/27/22 15:06	05/01/22 23:59	1
o-Terphenyl	119		70 - 130				04/27/22 15:06	05/01/22 23:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	375		5.00		mg/Kg			04/29/22 18:54	1

Client Sample ID: BH-5 (0-1')

Lab Sample ID: 880-14143-25

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:39	05/02/22 18:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:39	05/02/22 18:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:39	05/02/22 18:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/28/22 11:39	05/02/22 18:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:39	05/02/22 18:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/28/22 11:39	05/02/22 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				04/28/22 11:39	05/02/22 18:33	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/28/22 11:39	05/02/22 18:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 00:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 00:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-5 (0-1')

Lab Sample ID: 880-14143-25

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 00:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/27/22 15:06	05/02/22 00:40	1
o-Terphenyl	126		70 - 130				04/27/22 15:06	05/02/22 00:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17100		250		mg/Kg			04/29/22 19:12	50

Client Sample ID: BH-5 (2-3')

Lab Sample ID: 880-14143-26

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/28/22 11:39	05/02/22 18:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/28/22 11:39	05/02/22 18:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/28/22 11:39	05/02/22 18:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/28/22 11:39	05/02/22 18:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/28/22 11:39	05/02/22 18:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/28/22 11:39	05/02/22 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				04/28/22 11:39	05/02/22 18:53	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/28/22 11:39	05/02/22 18:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 01:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 01:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 01:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/27/22 15:06	05/02/22 01:01	1
o-Terphenyl	129		70 - 130				04/27/22 15:06	05/02/22 01:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3040		25.2		mg/Kg			05/02/22 00:29	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-5 (4-5')

Lab Sample ID: 880-14143-27

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 19:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 19:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 19:14	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/28/22 11:39	05/02/22 19:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 19:14	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/28/22 11:39	05/02/22 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/28/22 11:39	05/02/22 19:14	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/28/22 11:39	05/02/22 19:14	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 01:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 01:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 01:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/27/22 15:06	05/02/22 01:22	1
o-Terphenyl	125		70 - 130	04/27/22 15:06	05/02/22 01:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1620		24.9		mg/Kg			04/29/22 19:47	5

Client Sample ID: BH-5 (6-7')

Lab Sample ID: 880-14143-28

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 19:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 19:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 19:34	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/28/22 11:39	05/02/22 19:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 19:34	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/28/22 11:39	05/02/22 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/28/22 11:39	05/02/22 19:34	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/28/22 11:39	05/02/22 19:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-5 (6-7')

Lab Sample ID: 880-14143-28

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 01:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 01:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				04/27/22 15:06	05/02/22 01:43	1
o-Terphenyl	131	S1+	70 - 130				04/27/22 15:06	05/02/22 01:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1830		49.5		mg/Kg			05/02/22 00:38	10

Client Sample ID: BH-5 (9-10')

Lab Sample ID: 880-14143-29

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/02/22 19:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/02/22 19:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/02/22 19:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/22 11:39	05/02/22 19:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/02/22 19:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/22 11:39	05/02/22 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				04/28/22 11:39	05/02/22 19:55	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/28/22 11:39	05/02/22 19:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 02:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 02:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-5 (9-10')

Lab Sample ID: 880-14143-29

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 02:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				04/27/22 15:06	05/02/22 02:04	1
o-Terphenyl	94		70 - 130				04/27/22 15:06	05/02/22 02:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		5.00		mg/Kg			04/29/22 20:05	1

Client Sample ID: BH-5 (12-13')

Lab Sample ID: 880-14143-30

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/02/22 20:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/02/22 20:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/02/22 20:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/28/22 11:39	05/02/22 20:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/02/22 20:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/28/22 11:39	05/02/22 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				04/28/22 11:39	05/02/22 20:15	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/28/22 11:39	05/02/22 20:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 02:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 02:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 02:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				04/27/22 15:06	05/02/22 02:25	1
o-Terphenyl	105		70 - 130				04/27/22 15:06	05/02/22 02:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	689		4.99		mg/Kg			04/29/22 20:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-5 (14-15')

Lab Sample ID: 880-14143-31

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 20:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 20:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 20:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/28/22 11:39	05/02/22 20:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 20:36	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/28/22 11:39	05/02/22 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/28/22 11:39	05/02/22 20:36	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/28/22 11:39	05/02/22 20:36	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 03:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 03:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 03:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	04/27/22 15:06	05/02/22 03:06	1
o-Terphenyl	113		70 - 130	04/27/22 15:06	05/02/22 03:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	479		5.00		mg/Kg			04/29/22 20:22	1

Client Sample ID: BH-5 (19-20')

Lab Sample ID: 880-14143-32

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:39	05/02/22 22:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:39	05/02/22 22:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:39	05/02/22 22:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/28/22 11:39	05/02/22 22:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:39	05/02/22 22:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/28/22 11:39	05/02/22 22:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	04/28/22 11:39	05/02/22 22:26	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/28/22 11:39	05/02/22 22:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-5 (19-20')

Lab Sample ID: 880-14143-32

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 03:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 03:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 03:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				04/27/22 15:06	05/02/22 03:27	1
o-Terphenyl	106		70 - 130				04/27/22 15:06	05/02/22 03:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		50.0		mg/Kg			04/29/22 20:31	10

Client Sample ID: BH-6 (0-1')

Lab Sample ID: 880-14143-34

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/28/22 11:39	05/02/22 22:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/28/22 11:39	05/02/22 22:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/28/22 11:39	05/02/22 22:46	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/28/22 11:39	05/02/22 22:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/28/22 11:39	05/02/22 22:46	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/28/22 11:39	05/02/22 22:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				04/28/22 11:39	05/02/22 22:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/28/22 11:39	05/02/22 22:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 04:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 04:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-6 (0-1')

Lab Sample ID: 880-14143-34

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				04/27/22 15:06	05/02/22 04:09	1
o-Terphenyl	119		70 - 130				04/27/22 15:06	05/02/22 04:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8650		50.4		mg/Kg			05/02/22 00:47	10

Client Sample ID: BH-6 (2-3')

Lab Sample ID: 880-14143-35

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:39	05/02/22 23:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:39	05/02/22 23:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:39	05/02/22 23:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/28/22 11:39	05/02/22 23:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:39	05/02/22 23:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/28/22 11:39	05/02/22 23:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				04/28/22 11:39	05/02/22 23:07	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/28/22 11:39	05/02/22 23:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/27/22 15:06	05/02/22 04:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/27/22 15:06	05/02/22 04:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/27/22 15:06	05/02/22 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				04/27/22 15:06	05/02/22 04:30	1
o-Terphenyl	105		70 - 130				04/27/22 15:06	05/02/22 04:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2980		49.9		mg/Kg			05/02/22 00:56	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-6 (4-5')

Lab Sample ID: 880-14143-36

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 23:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 23:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 23:27	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/28/22 11:39	05/02/22 23:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/02/22 23:27	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/28/22 11:39	05/02/22 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/28/22 11:39	05/02/22 23:27	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/28/22 11:39	05/02/22 23:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 04:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 04:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 04:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	04/27/22 15:06	05/02/22 04:51	1
o-Terphenyl	124		70 - 130	04/27/22 15:06	05/02/22 04:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		24.9		mg/Kg			04/29/22 21:33	5

Client Sample ID: BH-6 (6-7')

Lab Sample ID: 880-14143-37

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:39	05/02/22 23:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:39	05/02/22 23:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:39	05/02/22 23:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/28/22 11:39	05/02/22 23:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:39	05/02/22 23:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/28/22 11:39	05/02/22 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/28/22 11:39	05/02/22 23:48	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/28/22 11:39	05/02/22 23:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-6 (6-7')

Lab Sample ID: 880-14143-37

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 05:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 05:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 05:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				04/27/22 15:06	05/02/22 05:12	1
o-Terphenyl	120		70 - 130				04/27/22 15:06	05/02/22 05:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		50.0		mg/Kg			05/02/22 01:05	10

Client Sample ID: BH-6 (9-10')

Lab Sample ID: 880-14143-38

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/03/22 00:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/03/22 00:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/03/22 00:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/28/22 11:39	05/03/22 00:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/03/22 00:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/28/22 11:39	05/03/22 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				04/28/22 11:39	05/03/22 00:08	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/28/22 11:39	05/03/22 00:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 05:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 05:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-6 (9-10')

Lab Sample ID: 880-14143-38

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 05:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				04/27/22 15:06	05/02/22 05:33	1
o-Terphenyl	117		70 - 130				04/27/22 15:06	05/02/22 05:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270		4.99		mg/Kg			04/29/22 21:51	1

Client Sample ID: BH-6 (12-13')

Lab Sample ID: 880-14143-39

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/28/22 11:39	05/03/22 00:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/28/22 11:39	05/03/22 00:28	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/28/22 11:39	05/03/22 00:28	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/28/22 11:39	05/03/22 00:28	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/28/22 11:39	05/03/22 00:28	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/28/22 11:39	05/03/22 00:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				04/28/22 11:39	05/03/22 00:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130				04/28/22 11:39	05/03/22 00:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 05:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 05:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 05:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				04/27/22 15:06	05/02/22 05:54	1
o-Terphenyl	114		70 - 130				04/27/22 15:06	05/02/22 05:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	658		5.01		mg/Kg			04/29/22 22:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-6 (14-15')

Lab Sample ID: 880-14143-40

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/03/22 00:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/03/22 00:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/03/22 00:49	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/28/22 11:39	05/03/22 00:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/28/22 11:39	05/03/22 00:49	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/28/22 11:39	05/03/22 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	04/28/22 11:39	05/03/22 00:49	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/28/22 11:39	05/03/22 00:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/27/22 15:06	05/02/22 06:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/27/22 15:06	05/02/22 06:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/27/22 15:06	05/02/22 06:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	04/27/22 15:06	05/02/22 06:15	1
o-Terphenyl	102		70 - 130	04/27/22 15:06	05/02/22 06:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	465		4.97		mg/Kg			04/29/22 22:09	1

Client Sample ID: BH-6 (19-20')

Lab Sample ID: 880-14143-41

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		04/28/22 11:42	05/01/22 16:14	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		04/28/22 11:42	05/01/22 16:14	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		04/28/22 11:42	05/01/22 16:14	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		04/28/22 11:42	05/01/22 16:14	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		04/28/22 11:42	05/01/22 16:14	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		04/28/22 11:42	05/01/22 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/28/22 11:42	05/01/22 16:14	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/28/22 11:42	05/01/22 16:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-6 (19-20')

Lab Sample ID: 880-14143-41

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 03:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 03:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/22 15:06	05/02/22 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				04/27/22 15:06	05/02/22 03:48	1
o-Terphenyl	94		70 - 130				04/27/22 15:06	05/02/22 03:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	394		4.95		mg/Kg			04/29/22 22:18	1

Client Sample ID: BH-6 (24-25')

Lab Sample ID: 880-14143-42

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:42	05/01/22 16:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:42	05/01/22 16:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:42	05/01/22 16:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/28/22 11:42	05/01/22 16:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:42	05/01/22 16:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/28/22 11:42	05/01/22 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				04/28/22 11:42	05/01/22 16:40	1
1,4-Difluorobenzene (Surr)	95		70 - 130				04/28/22 11:42	05/01/22 16:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 00:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 00:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-6 (24-25')

Lab Sample ID: 880-14143-42

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/02/22 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				04/27/22 15:06	05/02/22 00:19	1
o-Terphenyl	99		70 - 130				04/27/22 15:06	05/02/22 00:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.9		5.03		mg/Kg			04/29/22 22:26	1

Client Sample ID: BH-7 (0-1')

Lab Sample ID: 880-14143-43

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:42	05/01/22 17:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:42	05/01/22 17:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:42	05/01/22 17:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/28/22 11:42	05/01/22 17:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:42	05/01/22 17:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/28/22 11:42	05/01/22 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				04/28/22 11:42	05/01/22 17:07	1
1,4-Difluorobenzene (Surr)	89		70 - 130				04/28/22 11:42	05/01/22 17:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 16:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 16:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				04/27/22 15:01	05/01/22 16:30	1
o-Terphenyl	101		70 - 130				04/27/22 15:01	05/01/22 16:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61800		249		mg/Kg			04/29/22 14:11	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-7 (2-3')

Lab Sample ID: 880-14143-44

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:42	05/01/22 17:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:42	05/01/22 17:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:42	05/01/22 17:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/28/22 11:42	05/01/22 17:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/28/22 11:42	05/01/22 17:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/28/22 11:42	05/01/22 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	04/28/22 11:42	05/01/22 17:33	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/28/22 11:42	05/01/22 17:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:00	04/30/22 03:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:00	04/30/22 03:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:00	04/30/22 03:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	04/27/22 15:00	04/30/22 03:40	1
o-Terphenyl	117		70 - 130	04/27/22 15:00	04/30/22 03:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	701		24.8		mg/Kg			04/29/22 16:50	5

Client Sample ID: BH-7 (4-5')

Lab Sample ID: 880-14143-45

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:42	05/01/22 17:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:42	05/01/22 17:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:42	05/01/22 17:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/28/22 11:42	05/01/22 17:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:42	05/01/22 17:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/28/22 11:42	05/01/22 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	04/28/22 11:42	05/01/22 17:59	1
1,4-Difluorobenzene (Surr)	98		70 - 130	04/28/22 11:42	05/01/22 17:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-7 (4-5')

Lab Sample ID: 880-14143-45

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:00	04/30/22 04:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:00	04/30/22 04:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:00	04/30/22 04:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				04/27/22 15:00	04/30/22 04:01	1
o-Terphenyl	113		70 - 130				04/27/22 15:00	04/30/22 04:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1610		24.9		mg/Kg			04/29/22 17:17	5

Client Sample ID: BH-7 (6-7')

Lab Sample ID: 880-14143-46

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:42	05/01/22 18:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:42	05/01/22 18:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:42	05/01/22 18:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/28/22 11:42	05/01/22 18:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/28/22 11:42	05/01/22 18:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/28/22 11:42	05/01/22 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				04/28/22 11:42	05/01/22 18:25	1
1,4-Difluorobenzene (Surr)	83		70 - 130				04/28/22 11:42	05/01/22 18:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/02/22 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/02/22 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:00	04/30/22 04:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:00	04/30/22 04:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-7 (6-7')

Lab Sample ID: 880-14143-46

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:00	04/30/22 04:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	04/27/22 15:00	04/30/22 04:22	1
o-Terphenyl	105		70 - 130	04/27/22 15:00	04/30/22 04:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	226		25.0		mg/Kg			04/29/22 14:55	5

Surrogate Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-14143-1	BH-1 (0-1')	108	94
880-14143-1 MS	BH-1 (0-1')	111	96
880-14143-1 MSD	BH-1 (0-1')	111	98
880-14143-2	BH-1 (2-3')	111	100
880-14143-3	BH-1 (4-5')	105	96
880-14143-4	BH-1 (6-7')	106	98
880-14143-5	BH-1 (9-10')	105	96
880-14143-6	BH-2 (0-1')	112	96
880-14143-7	BH-2 (2-3')	106	97
880-14143-8	BH-2 (4-5')	108	97
880-14143-9	BH-2 (6-7')	109	97
880-14143-11	BH-3 (0-1')	105	98
880-14143-12	BH-3 (2-3')	114	101
880-14143-13	BH-3 (4-5')	110	101
880-14143-14	BH-3 (6-7')	100	94
880-14143-15	BH-3 (9-10')	108	101
880-14143-16	BH-3 (12-13')	108	100
880-14143-17	BH-3 (14-15')	112	98
880-14143-18	BH-4 (0-1')	110	101
880-14143-19	BH-4 (2-3')	114	102
880-14143-20	BH-4 (4-5')	104	98
880-14143-21	BH-4 (6-7')	105	99
880-14143-21 MS	BH-4 (6-7')	102	100
880-14143-21 MSD	BH-4 (6-7')	106	103
880-14143-22	BH-4 (9-10')	104	97
880-14143-23	BH-4 (12-13')	105	100
880-14143-25	BH-5 (0-1')	104	100
880-14143-26	BH-5 (2-3')	108	100
880-14143-27	BH-5 (4-5')	106	102
880-14143-28	BH-5 (6-7')	110	103
880-14143-29	BH-5 (9-10')	108	100
880-14143-30	BH-5 (12-13')	112	101
880-14143-31	BH-5 (14-15')	112	102
880-14143-32	BH-5 (19-20')	107	100
880-14143-34	BH-6 (0-1')	107	101
880-14143-35	BH-6 (2-3')	108	101
880-14143-36	BH-6 (4-5')	110	97
880-14143-37	BH-6 (6-7')	110	101
880-14143-38	BH-6 (9-10')	114	100
880-14143-39	BH-6 (12-13')	108	97
880-14143-40	BH-6 (14-15')	113	99
880-14143-41	BH-6 (19-20')	103	91
880-14143-41 MS	BH-6 (19-20')	111	101
880-14143-41 MSD	BH-6 (19-20')	107	96
880-14143-42	BH-6 (24-25')	106	95
880-14143-43	BH-7 (0-1')	110	89
880-14143-44	BH-7 (2-3')	121	89
880-14143-45	BH-7 (4-5')	123	98
880-14143-46	BH-7 (6-7')	99	83

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-14143-1

Project/Site: Copperhead Fee A 3H (02.08.22)

SDG: Eddy Co,NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-24420/1-A	Lab Control Sample	101	99
LCS 880-24423/1-A	Lab Control Sample	102	100
LCSD 880-24409/2-A	Lab Control Sample Dup	101	100
LCSD 880-24420/2-A	Lab Control Sample Dup	110	101
LCSD 880-24423/2-A	Lab Control Sample Dup	107	101
MB 880-24409/5-A	Method Blank	101	93
MB 880-24420/5-A	Method Blank	99	97
MB 880-24423/5-A	Method Blank	82	86
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-14137-A-21-B MS	Matrix Spike	93	95
880-14137-A-21-C MSD	Matrix Spike Duplicate	89	91
880-14143-1	BH-1 (0-1')	82	95
880-14143-1 MS	BH-1 (0-1')	85	92
880-14143-1 MSD	BH-1 (0-1')	78	84
880-14143-2	BH-1 (2-3')	85	101
880-14143-3	BH-1 (4-5')	92	110
880-14143-4	BH-1 (6-7')	90	107
880-14143-5	BH-1 (9-10')	85	99
880-14143-6	BH-2 (0-1')	93	112
880-14143-7	BH-2 (2-3')	86	102
880-14143-8	BH-2 (4-5')	79	93
880-14143-9	BH-2 (6-7')	96	109
880-14143-11	BH-3 (0-1')	95	115
880-14143-12	BH-3 (2-3')	87	105
880-14143-13	BH-3 (4-5')	86	104
880-14143-14	BH-3 (6-7')	99	121
880-14143-15	BH-3 (9-10')	77	90
880-14143-16	BH-3 (12-13')	86	103
880-14143-17	BH-3 (14-15')	92	112
880-14143-18	BH-4 (0-1')	83	100
880-14143-19	BH-4 (2-3')	78	91
880-14143-20	BH-4 (4-5')	85	100
880-14143-21	BH-4 (6-7')	104	128
880-14143-21 MS	BH-4 (6-7')	81	85
880-14143-21 MSD	BH-4 (6-7')	80	87
880-14143-22	BH-4 (9-10')	77	89
880-14143-23	BH-4 (12-13')	99	119
880-14143-25	BH-5 (0-1')	105	126
880-14143-26	BH-5 (2-3')	105	129
880-14143-27	BH-5 (4-5')	106	125
880-14143-28	BH-5 (6-7')	106	131 S1+

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-14143-1

Project/Site: Copperhead Fee A 3H (02.08.22)

SDG: Eddy Co,NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-14143-29	BH-5 (9-10')	81	94
880-14143-30	BH-5 (12-13')	91	105
880-14143-31	BH-5 (14-15')	93	113
880-14143-32	BH-5 (19-20')	89	106
880-14143-34	BH-6 (0-1')	99	119
880-14143-35	BH-6 (2-3')	90	105
880-14143-36	BH-6 (4-5')	102	124
880-14143-37	BH-6 (6-7')	97	120
880-14143-38	BH-6 (9-10')	97	117
880-14143-39	BH-6 (12-13')	93	114
880-14143-40	BH-6 (14-15')	84	102
880-14143-41	BH-6 (19-20')	84	94
880-14143-42	BH-6 (24-25')	87	99
880-14143-43	BH-7 (0-1')	85	101
880-14143-44	BH-7 (2-3')	105	117
880-14143-45	BH-7 (4-5')	101	113
880-14143-46	BH-7 (6-7')	89	105
LCS 880-24289/2-A	Lab Control Sample	126	133 S1+
LCSD 880-24289/3-A	Lab Control Sample Dup	125	134 S1+
MB 880-24289/1-A	Method Blank	120	149 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-24350/2-A	Lab Control Sample	99	123
LCS 880-24351/2-A	Lab Control Sample	112	135 S1+
LCSD 880-24350/3-A	Lab Control Sample Dup	102	125
LCSD 880-24351/3-A	Lab Control Sample Dup	110	132 S1+
MB 880-24350/1-A	Method Blank	81	100
MB 880-24351/1-A	Method Blank	106	134 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-24409/5-A

Matrix: Solid

Analysis Batch: 24589

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24409

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:34	05/02/22 03:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:34	05/02/22 03:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:34	05/02/22 03:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/22 11:34	05/02/22 03:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:34	05/02/22 03:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/22 11:34	05/02/22 03:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/28/22 11:34	05/02/22 03:31	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/28/22 11:34	05/02/22 03:31	1

Lab Sample ID: LCSD 880-24409/2-A

Matrix: Solid

Analysis Batch: 24589

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24409

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08556		mg/Kg		86	70 - 130	17	35
Toluene	0.100	0.08184		mg/Kg		82	70 - 130	16	35
Ethylbenzene	0.100	0.08386		mg/Kg		84	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.1683		mg/Kg		84	70 - 130	19	35
o-Xylene	0.100	0.09440		mg/Kg		94	70 - 130	16	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-14143-1 MS

Matrix: Solid

Analysis Batch: 24589

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 24409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U *- F1	0.0996	0.06538	F1	mg/Kg		66	70 - 130
Toluene	<0.00201	U *-	0.0996	0.07248		mg/Kg		73	70 - 130
Ethylbenzene	<0.00201	U *-	0.0996	0.07538		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	<0.00402	U *-	0.199	0.1545		mg/Kg		78	70 - 130
o-Xylene	<0.00201	U *-	0.0996	0.08620		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-14143-1 MSD

Matrix: Solid

Analysis Batch: 24589

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 24409

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *- F1	0.0994	0.07603		mg/Kg		76	70 - 130	15	35
Toluene	<0.00201	U *-	0.0994	0.07690		mg/Kg		77	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

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

Lab Sample ID: 880-14143-1 MSD

Matrix: Solid

Analysis Batch: 24589

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 24409

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	<0.00201	U *	0.0994	0.07835		mg/Kg		78	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U *	0.199	0.1581		mg/Kg		80	70 - 130	2	35
o-Xylene	<0.00201	U *	0.0994	0.08825		mg/Kg		89	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-24420/5-A

Matrix: Solid

Analysis Batch: 24635

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24420

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/02/22 16:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/02/22 16:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/02/22 16:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/22 11:39	05/02/22 16:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:39	05/02/22 16:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/22 11:39	05/02/22 16:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	04/28/22 11:39	05/02/22 16:55	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/28/22 11:39	05/02/22 16:55	1

Lab Sample ID: LCS 880-24420/1-A

Matrix: Solid

Analysis Batch: 24635

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 24420

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08264		mg/Kg		83	70 - 130
Toluene	0.100	0.08209		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.08593		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1755		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09610		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-24420/2-A

Matrix: Solid

Analysis Batch: 24635

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24420

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08452		mg/Kg		85	70 - 130	2	35
Toluene	0.100	0.08772		mg/Kg		88	70 - 130	7	35
Ethylbenzene	0.100	0.09203		mg/Kg		92	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1917		mg/Kg		96	70 - 130	9	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

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

Lab Sample ID: LCSD 880-24420/2-A

Matrix: Solid

Analysis Batch: 24635

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24420

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
o-Xylene	0.100	0.1056		mg/Kg		106	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-14143-21 MS

Matrix: Solid

Analysis Batch: 24635

Client Sample ID: BH-4 (6-7')

Prep Type: Total/NA

Prep Batch: 24420

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0994	0.08105		mg/Kg		82	70 - 130		
Toluene	<0.00201	U	0.0994	0.07976		mg/Kg		80	70 - 130		
Ethylbenzene	<0.00201	U	0.0994	0.08398		mg/Kg		84	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1734		mg/Kg		87	70 - 130		
o-Xylene	<0.00201	U	0.0994	0.09573		mg/Kg		96	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-14143-21 MSD

Matrix: Solid

Analysis Batch: 24635

Client Sample ID: BH-4 (6-7')

Prep Type: Total/NA

Prep Batch: 24420

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.09323		mg/Kg		94	70 - 130	14	35
Toluene	<0.00201	U	0.0990	0.09019		mg/Kg		91	70 - 130	12	35
Ethylbenzene	<0.00201	U	0.0990	0.09340		mg/Kg		94	70 - 130	11	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1907		mg/Kg		96	70 - 130	10	35
o-Xylene	<0.00201	U	0.0990	0.1042		mg/Kg		105	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-24423/5-A

Matrix: Solid

Analysis Batch: 24569

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:42	05/01/22 15:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:42	05/01/22 15:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:42	05/01/22 15:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/22 11:42	05/01/22 15:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/22 11:42	05/01/22 15:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/22 11:42	05/01/22 15:48	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

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

Lab Sample ID: MB 880-24423/5-A

Matrix: Solid

Analysis Batch: 24569

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24423

	MB	MB			
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
4-Bromofluorobenzene (Surr)	82		70 - 130	04/28/22 11:42	05/01/22 15:48
1,4-Difluorobenzene (Surr)	86		70 - 130	04/28/22 11:42	05/01/22 15:48

Lab Sample ID: LCS 880-24423/1-A

Matrix: Solid

Analysis Batch: 24569

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 24423

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.09493		mg/Kg		95	70 - 130		
Toluene	0.100	0.08530		mg/Kg		85	70 - 130		
Ethylbenzene	0.100	0.09523		mg/Kg		95	70 - 130		
m-Xylene & p-Xylene	0.200	0.1909		mg/Kg		95	70 - 130		
o-Xylene	0.100	0.09279		mg/Kg		93	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-24423/2-A

Matrix: Solid

Analysis Batch: 24569

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24423

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1026		mg/Kg		103	70 - 130	8	35	
Toluene	0.100	0.09854		mg/Kg		99	70 - 130	14	35	
Ethylbenzene	0.100	0.1084		mg/Kg		108	70 - 130	13	35	
m-Xylene & p-Xylene	0.200	0.2197		mg/Kg		110	70 - 130	14	35	
o-Xylene	0.100	0.1076		mg/Kg		108	70 - 130	15	35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-14143-41 MS

Matrix: Solid

Analysis Batch: 24569

Client Sample ID: BH-6 (19-20')

Prep Type: Total/NA

Prep Batch: 24423

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00200	U F1	0.100	0.05848	F1	mg/Kg		58	70 - 130
Toluene	<0.00200	U F1	0.100	0.05203	F1	mg/Kg		52	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.05745	F1	mg/Kg		57	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1171	F1	mg/Kg		58	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.05580	F1	mg/Kg		56	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

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

Lab Sample ID: 880-14143-41 MSD

Matrix: Solid

Analysis Batch: 24569

Client Sample ID: BH-6 (19-20')

Prep Type: Total/NA

Prep Batch: 24423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0996	0.06765	F1	mg/Kg		68	70 - 130	15	35
Toluene	<0.00200	U F1	0.0996	0.06100	F1	mg/Kg		61	70 - 130	16	35
Ethylbenzene	<0.00200	U F1	0.0996	0.06802	F1	mg/Kg		68	70 - 130	17	35
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.1395		mg/Kg		70	70 - 130	17	35
o-Xylene	<0.00200	U F1	0.0996	0.06645	F1	mg/Kg		67	70 - 130	17	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-24289/1-A

Matrix: Solid

Analysis Batch: 24465

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 08:35	04/29/22 19:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 08:35	04/29/22 19:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 08:35	04/29/22 19:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	04/27/22 08:35	04/29/22 19:32	1
o-Terphenyl	149	S1+	70 - 130	04/27/22 08:35	04/29/22 19:32	1

Lab Sample ID: LCS 880-24289/2-A

Matrix: Solid

Analysis Batch: 24465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 24289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1061		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1213		mg/Kg		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: LCSD 880-24289/3-A

Matrix: Solid

Analysis Batch: 24465

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24289

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1112		mg/Kg		111	70 - 130	5	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

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

Lab Sample ID: LCSD 880-24289/3-A

Matrix: Solid

Analysis Batch: 24465

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24289

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	1228		mg/Kg		123	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	125		70 - 130						
o-Terphenyl	134	S1+	70 - 130						

Lab Sample ID: 880-14137-A-21-B MS

Matrix: Solid

Analysis Batch: 24465

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 24289

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1030		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	859.8		mg/Kg		82	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	95		70 - 130								

Lab Sample ID: 880-14137-A-21-C MSD

Matrix: Solid

Analysis Batch: 24465

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 24289

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	952.0		mg/Kg		95	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	822.2		mg/Kg		78	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	89		70 - 130								
o-Terphenyl	91		70 - 130								

Lab Sample ID: MB 880-24350/1-A

Matrix: Solid

Analysis Batch: 24579

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 11:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 11:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:01	05/01/22 11:32	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	81		70 - 130						
o-Terphenyl	100		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

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

Lab Sample ID: LCS 880-24350/2-A

Matrix: Solid

Analysis Batch: 24579

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 24350

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	923.2		mg/Kg		92		70 - 130	
Diesel Range Organics (Over C10-C28)			1000	893.2		mg/Kg		89		70 - 130	
					</						

Lab Sample ID: LCSD 880-24350/3-A

Matrix: Solid

Analysis Batch: 24579

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24350

			Spike	LCSD	LCSD				%Rec			RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	970.5		mg/Kg		97	70 - 130	5	20	
Diesel Range Organics (Over C10-C28)			1000	919.0		mg/Kg		92	70 - 130	3	20	
			LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	102		70 - 130									
o-Terphenyl	125		70 - 130									

Lab Sample ID: 880-14143-1 MS

Matrix: Solid

Analysis Batch: 24579

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 24350

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	920.5		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	887.3		mg/Kg		87	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	85		70 - 130								
o-Terphenyl	92		70 - 130								

Lab Sample ID: 880-14143-1 MSD

Matrix: Solid

Analysis Batch: 24579

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 24350

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	867.6		mg/Kg		87	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	818.6		mg/Kg		80	70 - 130	8	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	78		70 - 130								

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

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

Lab Sample ID: 880-14143-1 MSD

Matrix: Solid

Analysis Batch: 24579

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 24350

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	84		70 - 130

Lab Sample ID: MB 880-24351/1-A

Matrix: Solid

Analysis Batch: 24579

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24351

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/01/22 21:29	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/01/22 21:29	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/22 15:06	05/01/22 21:29	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	106		70 - 130				04/27/22 15:06	05/01/22 21:29	1	
<i>o</i> -Terphenyl	134	S1+	70 - 130				04/27/22 15:06	05/01/22 21:29	1	

Lab Sample ID: LCS 880-24351/2-A

Matrix: Solid

Analysis Batch: 24579

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 24351

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	1036		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	1008		mg/Kg		101	70 - 130		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	112		70 - 130							
<i>o</i> -Terphenyl	135	S1+	70 - 130							

Lab Sample ID: LCSD 880-24351/3-A

Matrix: Solid

Analysis Batch: 24579

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24351

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1030		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	992.5		mg/Kg		99	70 - 130	2	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

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

Lab Sample ID: 880-14143-21 MS

Matrix: Solid

Analysis Batch: 24579

Client Sample ID: BH-4 (6-7')

Prep Type: Total/NA

Prep Batch: 24351

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	895.7		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	856.8		mg/Kg		84	70 - 130		
		</									

Lab Sample ID: 880-14143-21 MSD

Matrix: Solid

Analysis Batch: 24579

Client Sample ID: BH-4 (6-7')

Prep Type: Total/NA

Prep Batch: 24351

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	953.2		mg/Kg		95	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	866.3		mg/Kg		85	70 - 130	1	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-24332/1-A

Matrix: Solid

Analysis Batch: 24518

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/29/22 13:50	1

Lab Sample ID: LCS 880-24332/2-A

Matrix: Solid

Analysis Batch: 24518

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.1		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-24332/3-A

Matrix: Solid

Analysis Batch: 24518

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	260.5		mg/Kg		104	90 - 110	3	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-14143-1 MS

Matrix: Solid

Analysis Batch: 24518

Client Sample ID: BH-1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	297		249	545.2		mg/Kg		100	90 - 110		

Lab Sample ID: 880-14143-1 MSD

Matrix: Solid

Analysis Batch: 24518

Client Sample ID: BH-1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	297		249	550.3		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-14143-12 MS

Matrix: Solid

Analysis Batch: 24518

Client Sample ID: BH-3 (2-3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	7620	F1	4990	14420	F1	mg/Kg		136	90 - 110		

Lab Sample ID: 880-14143-12 MSD

Matrix: Solid

Analysis Batch: 24518

Client Sample ID: BH-3 (2-3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7620	F1	4990	14350	F1	mg/Kg		135	90 - 110	0	20

Lab Sample ID: MB 880-24335/1-A

Matrix: Solid

Analysis Batch: 24519

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/29/22 13:44	1

Lab Sample ID: LCS 880-24335/2-A

Matrix: Solid

Analysis Batch: 24519

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	254.3		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-24335/3-A

Matrix: Solid

Analysis Batch: 24519

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	254.1		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-14143-43 MS

Matrix: Solid

Analysis Batch: 24519

Client Sample ID: BH-7 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	61800		12500	72130	4	mg/Kg		83	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-14143-43 MSD

Matrix: Solid

Analysis Batch: 24519

Client Sample ID: BH-7 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	61800		12500	72620	4	mg/Kg		87	90 - 110	1	20

Lab Sample ID: MB 880-24333/1-A

Matrix: Solid

Analysis Batch: 24520

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/29/22 18:01	1

Lab Sample ID: LCS 880-24333/2-A

Matrix: Solid

Analysis Batch: 24520

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-24333/3-A

Matrix: Solid

Analysis Batch: 24520

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-14143-22 MS

Matrix: Solid

Analysis Batch: 24520

Client Sample ID: BH-4 (9-10')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	487		248	711.6		mg/Kg		90	90 - 110

Lab Sample ID: 880-14143-22 MSD

Matrix: Solid

Analysis Batch: 24520

Client Sample ID: BH-4 (9-10')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	487		248	713.0		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 880-14143-32 MS

Matrix: Solid

Analysis Batch: 24520

Client Sample ID: BH-5 (19-20')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1330		2500	3784		mg/Kg		98	90 - 110

Lab Sample ID: 880-14143-32 MSD

Matrix: Solid

Analysis Batch: 24520

Client Sample ID: BH-5 (19-20')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1330		2500	3782		mg/Kg		98	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

GC VOA

Prep Batch: 24409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-1	BH-1 (0-1')	Total/NA	Solid	5035	
880-14143-2	BH-1 (2-3')	Total/NA	Solid	5035	
880-14143-3	BH-1 (4-5')	Total/NA	Solid	5035	
880-14143-4	BH-1 (6-7')	Total/NA	Solid	5035	
880-14143-5	BH-1 (9-10')	Total/NA	Solid	5035	
880-14143-6	BH-2 (0-1')	Total/NA	Solid	5035	
880-14143-7	BH-2 (2-3')	Total/NA	Solid	5035	
880-14143-8	BH-2 (4-5')	Total/NA	Solid	5035	
880-14143-9	BH-2 (6-7')	Total/NA	Solid	5035	
880-14143-11	BH-3 (0-1')	Total/NA	Solid	5035	
880-14143-12	BH-3 (2-3')	Total/NA	Solid	5035	
880-14143-13	BH-3 (4-5')	Total/NA	Solid	5035	
880-14143-14	BH-3 (6-7')	Total/NA	Solid	5035	
880-14143-15	BH-3 (9-10')	Total/NA	Solid	5035	
880-14143-16	BH-3 (12-13')	Total/NA	Solid	5035	
880-14143-17	BH-3 (14-15')	Total/NA	Solid	5035	
880-14143-18	BH-4 (0-1')	Total/NA	Solid	5035	
880-14143-19	BH-4 (2-3')	Total/NA	Solid	5035	
880-14143-20	BH-4 (4-5')	Total/NA	Solid	5035	
MB 880-24409/5-A	Method Blank	Total/NA	Solid	5035	
LCSD 880-24409/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14143-1 MS	BH-1 (0-1')	Total/NA	Solid	5035	
880-14143-1 MSD	BH-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 24420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-21	BH-4 (6-7')	Total/NA	Solid	5035	
880-14143-22	BH-4 (9-10')	Total/NA	Solid	5035	
880-14143-23	BH-4 (12-13')	Total/NA	Solid	5035	
880-14143-25	BH-5 (0-1')	Total/NA	Solid	5035	
880-14143-26	BH-5 (2-3')	Total/NA	Solid	5035	
880-14143-27	BH-5 (4-5')	Total/NA	Solid	5035	
880-14143-28	BH-5 (6-7')	Total/NA	Solid	5035	
880-14143-29	BH-5 (9-10')	Total/NA	Solid	5035	
880-14143-30	BH-5 (12-13')	Total/NA	Solid	5035	
880-14143-31	BH-5 (14-15')	Total/NA	Solid	5035	
880-14143-32	BH-5 (19-20')	Total/NA	Solid	5035	
880-14143-34	BH-6 (0-1')	Total/NA	Solid	5035	
880-14143-35	BH-6 (2-3')	Total/NA	Solid	5035	
880-14143-36	BH-6 (4-5')	Total/NA	Solid	5035	
880-14143-37	BH-6 (6-7')	Total/NA	Solid	5035	
880-14143-38	BH-6 (9-10')	Total/NA	Solid	5035	
880-14143-39	BH-6 (12-13')	Total/NA	Solid	5035	
880-14143-40	BH-6 (14-15')	Total/NA	Solid	5035	
MB 880-24420/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-24420/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-24420/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14143-21 MS	BH-4 (6-7')	Total/NA	Solid	5035	
880-14143-21 MSD	BH-4 (6-7')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

GC VOA

Prep Batch: 24423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-41	BH-6 (19-20')	Total/NA	Solid	5035	
880-14143-42	BH-6 (24-25')	Total/NA	Solid	5035	
880-14143-43	BH-7 (0-1')	Total/NA	Solid	5035	
880-14143-44	BH-7 (2-3')	Total/NA	Solid	5035	
880-14143-45	BH-7 (4-5')	Total/NA	Solid	5035	
880-14143-46	BH-7 (6-7')	Total/NA	Solid	5035	
MB 880-24423/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-24423/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-24423/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14143-41 MS	BH-6 (19-20')	Total/NA	Solid	5035	
880-14143-41 MSD	BH-6 (19-20')	Total/NA	Solid	5035	

Analysis Batch: 24569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-41	BH-6 (19-20')	Total/NA	Solid	8021B	24423
880-14143-42	BH-6 (24-25')	Total/NA	Solid	8021B	24423
880-14143-43	BH-7 (0-1')	Total/NA	Solid	8021B	24423
880-14143-44	BH-7 (2-3')	Total/NA	Solid	8021B	24423
880-14143-45	BH-7 (4-5')	Total/NA	Solid	8021B	24423
880-14143-46	BH-7 (6-7')	Total/NA	Solid	8021B	24423
MB 880-24423/5-A	Method Blank	Total/NA	Solid	8021B	24423
LCS 880-24423/1-A	Lab Control Sample	Total/NA	Solid	8021B	24423
LCSD 880-24423/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	24423
880-14143-41 MS	BH-6 (19-20')	Total/NA	Solid	8021B	24423
880-14143-41 MSD	BH-6 (19-20')	Total/NA	Solid	8021B	24423

Analysis Batch: 24589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-1	BH-1 (0-1')	Total/NA	Solid	8021B	24409
880-14143-2	BH-1 (2-3')	Total/NA	Solid	8021B	24409
880-14143-3	BH-1 (4-5')	Total/NA	Solid	8021B	24409
880-14143-4	BH-1 (6-7')	Total/NA	Solid	8021B	24409
880-14143-5	BH-1 (9-10')	Total/NA	Solid	8021B	24409
880-14143-6	BH-2 (0-1')	Total/NA	Solid	8021B	24409
880-14143-7	BH-2 (2-3')	Total/NA	Solid	8021B	24409
880-14143-8	BH-2 (4-5')	Total/NA	Solid	8021B	24409
880-14143-9	BH-2 (6-7')	Total/NA	Solid	8021B	24409
880-14143-11	BH-3 (0-1')	Total/NA	Solid	8021B	24409
880-14143-12	BH-3 (2-3')	Total/NA	Solid	8021B	24409
880-14143-13	BH-3 (4-5')	Total/NA	Solid	8021B	24409
880-14143-14	BH-3 (6-7')	Total/NA	Solid	8021B	24409
880-14143-15	BH-3 (9-10')	Total/NA	Solid	8021B	24409
880-14143-16	BH-3 (12-13')	Total/NA	Solid	8021B	24409
880-14143-17	BH-3 (14-15')	Total/NA	Solid	8021B	24409
880-14143-18	BH-4 (0-1')	Total/NA	Solid	8021B	24409
880-14143-19	BH-4 (2-3')	Total/NA	Solid	8021B	24409
880-14143-20	BH-4 (4-5')	Total/NA	Solid	8021B	24409
MB 880-24409/5-A	Method Blank	Total/NA	Solid	8021B	24409
LCSD 880-24409/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	24409
880-14143-1 MS	BH-1 (0-1')	Total/NA	Solid	8021B	24409
880-14143-1 MSD	BH-1 (0-1')	Total/NA	Solid	8021B	24409

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
 SDG: Eddy Co,NM

GC VOA

Analysis Batch: 24635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-21	BH-4 (6-7')	Total/NA	Solid	8021B	24420
880-14143-22	BH-4 (9-10')	Total/NA	Solid	8021B	24420
880-14143-23	BH-4 (12-13')	Total/NA	Solid	8021B	24420
880-14143-25	BH-5 (0-1')	Total/NA	Solid	8021B	24420
880-14143-26	BH-5 (2-3')	Total/NA	Solid	8021B	24420
880-14143-27	BH-5 (4-5')	Total/NA	Solid	8021B	24420
880-14143-28	BH-5 (6-7')	Total/NA	Solid	8021B	24420
880-14143-29	BH-5 (9-10')	Total/NA	Solid	8021B	24420
880-14143-30	BH-5 (12-13')	Total/NA	Solid	8021B	24420
880-14143-31	BH-5 (14-15')	Total/NA	Solid	8021B	24420
880-14143-32	BH-5 (19-20')	Total/NA	Solid	8021B	24420
880-14143-34	BH-6 (0-1')	Total/NA	Solid	8021B	24420
880-14143-35	BH-6 (2-3')	Total/NA	Solid	8021B	24420
880-14143-36	BH-6 (4-5')	Total/NA	Solid	8021B	24420
880-14143-37	BH-6 (6-7')	Total/NA	Solid	8021B	24420
880-14143-38	BH-6 (9-10')	Total/NA	Solid	8021B	24420
880-14143-39	BH-6 (12-13')	Total/NA	Solid	8021B	24420
880-14143-40	BH-6 (14-15')	Total/NA	Solid	8021B	24420
MB 880-24420/5-A	Method Blank	Total/NA	Solid	8021B	24420
LCS 880-24420/1-A	Lab Control Sample	Total/NA	Solid	8021B	24420
LCSD 880-24420/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	24420
880-14143-21 MS	BH-4 (6-7')	Total/NA	Solid	8021B	24420
880-14143-21 MSD	BH-4 (6-7')	Total/NA	Solid	8021B	24420

Analysis Batch: 24662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-1	BH-1 (0-1')	Total/NA	Solid	Total BTEX	
880-14143-2	BH-1 (2-3')	Total/NA	Solid	Total BTEX	
880-14143-3	BH-1 (4-5')	Total/NA	Solid	Total BTEX	
880-14143-4	BH-1 (6-7')	Total/NA	Solid	Total BTEX	
880-14143-5	BH-1 (9-10')	Total/NA	Solid	Total BTEX	
880-14143-6	BH-2 (0-1')	Total/NA	Solid	Total BTEX	
880-14143-7	BH-2 (2-3')	Total/NA	Solid	Total BTEX	
880-14143-8	BH-2 (4-5')	Total/NA	Solid	Total BTEX	
880-14143-9	BH-2 (6-7')	Total/NA	Solid	Total BTEX	
880-14143-11	BH-3 (0-1')	Total/NA	Solid	Total BTEX	
880-14143-12	BH-3 (2-3')	Total/NA	Solid	Total BTEX	
880-14143-13	BH-3 (4-5')	Total/NA	Solid	Total BTEX	
880-14143-14	BH-3 (6-7')	Total/NA	Solid	Total BTEX	
880-14143-15	BH-3 (9-10')	Total/NA	Solid	Total BTEX	
880-14143-16	BH-3 (12-13')	Total/NA	Solid	Total BTEX	
880-14143-17	BH-3 (14-15')	Total/NA	Solid	Total BTEX	
880-14143-18	BH-4 (0-1')	Total/NA	Solid	Total BTEX	
880-14143-19	BH-4 (2-3')	Total/NA	Solid	Total BTEX	
880-14143-20	BH-4 (4-5')	Total/NA	Solid	Total BTEX	
880-14143-21	BH-4 (6-7')	Total/NA	Solid	Total BTEX	
880-14143-22	BH-4 (9-10')	Total/NA	Solid	Total BTEX	
880-14143-23	BH-4 (12-13')	Total/NA	Solid	Total BTEX	
880-14143-25	BH-5 (0-1')	Total/NA	Solid	Total BTEX	
880-14143-26	BH-5 (2-3')	Total/NA	Solid	Total BTEX	
880-14143-27	BH-5 (4-5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
 SDG: Eddy Co,NM

GC VOA (Continued)

Analysis Batch: 24662 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-28	BH-5 (6-7')	Total/NA	Solid	Total BTEX	
880-14143-29	BH-5 (9-10')	Total/NA	Solid	Total BTEX	
880-14143-30	BH-5 (12-13')	Total/NA	Solid	Total BTEX	
880-14143-31	BH-5 (14-15')	Total/NA	Solid	Total BTEX	
880-14143-32	BH-5 (19-20')	Total/NA	Solid	Total BTEX	
880-14143-34	BH-6 (0-1')	Total/NA	Solid	Total BTEX	
880-14143-35	BH-6 (2-3')	Total/NA	Solid	Total BTEX	
880-14143-36	BH-6 (4-5')	Total/NA	Solid	Total BTEX	
880-14143-37	BH-6 (6-7')	Total/NA	Solid	Total BTEX	
880-14143-38	BH-6 (9-10')	Total/NA	Solid	Total BTEX	
880-14143-39	BH-6 (12-13')	Total/NA	Solid	Total BTEX	
880-14143-40	BH-6 (14-15')	Total/NA	Solid	Total BTEX	
880-14143-41	BH-6 (19-20')	Total/NA	Solid	Total BTEX	
880-14143-42	BH-6 (24-25')	Total/NA	Solid	Total BTEX	
880-14143-43	BH-7 (0-1')	Total/NA	Solid	Total BTEX	
880-14143-44	BH-7 (2-3')	Total/NA	Solid	Total BTEX	
880-14143-45	BH-7 (4-5')	Total/NA	Solid	Total BTEX	
880-14143-46	BH-7 (6-7')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 24289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-44	BH-7 (2-3')	Total/NA	Solid	8015NM Prep	
880-14143-45	BH-7 (4-5')	Total/NA	Solid	8015NM Prep	
880-14143-46	BH-7 (6-7')	Total/NA	Solid	8015NM Prep	
MB 880-24289/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-24289/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-24289/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-14137-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-14137-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 24350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-1	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-14143-2	BH-1 (2-3')	Total/NA	Solid	8015NM Prep	
880-14143-3	BH-1 (4-5')	Total/NA	Solid	8015NM Prep	
880-14143-4	BH-1 (6-7')	Total/NA	Solid	8015NM Prep	
880-14143-5	BH-1 (9-10')	Total/NA	Solid	8015NM Prep	
880-14143-6	BH-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-14143-7	BH-2 (2-3')	Total/NA	Solid	8015NM Prep	
880-14143-8	BH-2 (4-5')	Total/NA	Solid	8015NM Prep	
880-14143-9	BH-2 (6-7')	Total/NA	Solid	8015NM Prep	
880-14143-11	BH-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-14143-12	BH-3 (2-3')	Total/NA	Solid	8015NM Prep	
880-14143-13	BH-3 (4-5')	Total/NA	Solid	8015NM Prep	
880-14143-14	BH-3 (6-7')	Total/NA	Solid	8015NM Prep	
880-14143-15	BH-3 (9-10')	Total/NA	Solid	8015NM Prep	
880-14143-16	BH-3 (12-13')	Total/NA	Solid	8015NM Prep	
880-14143-17	BH-3 (14-15')	Total/NA	Solid	8015NM Prep	
880-14143-18	BH-4 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

GC Semi VOA (Continued)

Prep Batch: 24350 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-19	BH-4 (2-3')	Total/NA	Solid	8015NM Prep	
880-14143-20	BH-4 (4-5')	Total/NA	Solid	8015NM Prep	
880-14143-43	BH-7 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-24350/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-24350/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-24350/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-14143-1 MS	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-14143-1 MSD	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 24351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-21	BH-4 (6-7')	Total/NA	Solid	8015NM Prep	
880-14143-22	BH-4 (9-10')	Total/NA	Solid	8015NM Prep	
880-14143-23	BH-4 (12-13')	Total/NA	Solid	8015NM Prep	
880-14143-25	BH-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-14143-26	BH-5 (2-3')	Total/NA	Solid	8015NM Prep	
880-14143-27	BH-5 (4-5')	Total/NA	Solid	8015NM Prep	
880-14143-28	BH-5 (6-7')	Total/NA	Solid	8015NM Prep	
880-14143-29	BH-5 (9-10')	Total/NA	Solid	8015NM Prep	
880-14143-30	BH-5 (12-13')	Total/NA	Solid	8015NM Prep	
880-14143-31	BH-5 (14-15')	Total/NA	Solid	8015NM Prep	
880-14143-32	BH-5 (19-20')	Total/NA	Solid	8015NM Prep	
880-14143-34	BH-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-14143-35	BH-6 (2-3')	Total/NA	Solid	8015NM Prep	
880-14143-36	BH-6 (4-5')	Total/NA	Solid	8015NM Prep	
880-14143-37	BH-6 (6-7')	Total/NA	Solid	8015NM Prep	
880-14143-38	BH-6 (9-10')	Total/NA	Solid	8015NM Prep	
880-14143-39	BH-6 (12-13')	Total/NA	Solid	8015NM Prep	
880-14143-40	BH-6 (14-15')	Total/NA	Solid	8015NM Prep	
880-14143-41	BH-6 (19-20')	Total/NA	Solid	8015NM Prep	
880-14143-42	BH-6 (24-25')	Total/NA	Solid	8015NM Prep	
MB 880-24351/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-24351/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-24351/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-14143-21 MS	BH-4 (6-7')	Total/NA	Solid	8015NM Prep	
880-14143-21 MSD	BH-4 (6-7')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 24465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-44	BH-7 (2-3')	Total/NA	Solid	8015B NM	24289
880-14143-45	BH-7 (4-5')	Total/NA	Solid	8015B NM	24289
880-14143-46	BH-7 (6-7')	Total/NA	Solid	8015B NM	24289
MB 880-24289/1-A	Method Blank	Total/NA	Solid	8015B NM	24289
LCS 880-24289/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	24289
LCSD 880-24289/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	24289
880-14137-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	24289
880-14137-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	24289

Analysis Batch: 24579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-1	BH-1 (0-1')	Total/NA	Solid	8015B NM	24350

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-14143-1

Project/Site: Copperhead Fee A 3H (02.08.22)

SDG: Eddy Co,NM

GC Semi VOA (Continued)

Analysis Batch: 24579 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-2	BH-1 (2-3')	Total/NA	Solid	8015B NM	24350
880-14143-3	BH-1 (4-5')	Total/NA	Solid	8015B NM	24350
880-14143-4	BH-1 (6-7')	Total/NA	Solid	8015B NM	24350
880-14143-5	BH-1 (9-10')	Total/NA	Solid	8015B NM	24350
880-14143-6	BH-2 (0-1')	Total/NA	Solid	8015B NM	24350
880-14143-7	BH-2 (2-3')	Total/NA	Solid	8015B NM	24350
880-14143-8	BH-2 (4-5')	Total/NA	Solid	8015B NM	24350
880-14143-9	BH-2 (6-7')	Total/NA	Solid	8015B NM	24350
880-14143-11	BH-3 (0-1')	Total/NA	Solid	8015B NM	24350
880-14143-12	BH-3 (2-3')	Total/NA	Solid	8015B NM	24350
880-14143-13	BH-3 (4-5')	Total/NA	Solid	8015B NM	24350
880-14143-14	BH-3 (6-7')	Total/NA	Solid	8015B NM	24350
880-14143-15	BH-3 (9-10')	Total/NA	Solid	8015B NM	24350
880-14143-16	BH-3 (12-13')	Total/NA	Solid	8015B NM	24350
880-14143-17	BH-3 (14-15')	Total/NA	Solid	8015B NM	24350
880-14143-18	BH-4 (0-1')	Total/NA	Solid	8015B NM	24350
880-14143-19	BH-4 (2-3')	Total/NA	Solid	8015B NM	24350
880-14143-20	BH-4 (4-5')	Total/NA	Solid	8015B NM	24350
880-14143-21	BH-4 (6-7')	Total/NA	Solid	8015B NM	24351
880-14143-22	BH-4 (9-10')	Total/NA	Solid	8015B NM	24351
880-14143-23	BH-4 (12-13')	Total/NA	Solid	8015B NM	24351
880-14143-25	BH-5 (0-1')	Total/NA	Solid	8015B NM	24351
880-14143-26	BH-5 (2-3')	Total/NA	Solid	8015B NM	24351
880-14143-27	BH-5 (4-5')	Total/NA	Solid	8015B NM	24351
880-14143-28	BH-5 (6-7')	Total/NA	Solid	8015B NM	24351
880-14143-29	BH-5 (9-10')	Total/NA	Solid	8015B NM	24351
880-14143-30	BH-5 (12-13')	Total/NA	Solid	8015B NM	24351
880-14143-31	BH-5 (14-15')	Total/NA	Solid	8015B NM	24351
880-14143-32	BH-5 (19-20')	Total/NA	Solid	8015B NM	24351
880-14143-34	BH-6 (0-1')	Total/NA	Solid	8015B NM	24351
880-14143-35	BH-6 (2-3')	Total/NA	Solid	8015B NM	24351
880-14143-36	BH-6 (4-5')	Total/NA	Solid	8015B NM	24351
880-14143-37	BH-6 (6-7')	Total/NA	Solid	8015B NM	24351
880-14143-38	BH-6 (9-10')	Total/NA	Solid	8015B NM	24351
880-14143-39	BH-6 (12-13')	Total/NA	Solid	8015B NM	24351
880-14143-40	BH-6 (14-15')	Total/NA	Solid	8015B NM	24351
880-14143-41	BH-6 (19-20')	Total/NA	Solid	8015B NM	24351
880-14143-42	BH-6 (24-25')	Total/NA	Solid	8015B NM	24351
880-14143-43	BH-7 (0-1')	Total/NA	Solid	8015B NM	24350
MB 880-24350/1-A	Method Blank	Total/NA	Solid	8015B NM	24350
MB 880-24351/1-A	Method Blank	Total/NA	Solid	8015B NM	24351
LCS 880-24350/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	24350
LCS 880-24351/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	24351
LCSD 880-24350/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	24350
LCSD 880-24351/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	24351
880-14143-1 MS	BH-1 (0-1')	Total/NA	Solid	8015B NM	24350
880-14143-1 MSD	BH-1 (0-1')	Total/NA	Solid	8015B NM	24350
880-14143-21 MS	BH-4 (6-7')	Total/NA	Solid	8015B NM	24351
880-14143-21 MSD	BH-4 (6-7')	Total/NA	Solid	8015B NM	24351

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
 SDG: Eddy Co,NM

GC Semi VOA

Analysis Batch: 24659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-1	BH-1 (0-1')	Total/NA	Solid	8015 NM	
880-14143-2	BH-1 (2-3')	Total/NA	Solid	8015 NM	
880-14143-3	BH-1 (4-5')	Total/NA	Solid	8015 NM	
880-14143-4	BH-1 (6-7')	Total/NA	Solid	8015 NM	
880-14143-5	BH-1 (9-10')	Total/NA	Solid	8015 NM	
880-14143-6	BH-2 (0-1')	Total/NA	Solid	8015 NM	
880-14143-7	BH-2 (2-3')	Total/NA	Solid	8015 NM	
880-14143-8	BH-2 (4-5')	Total/NA	Solid	8015 NM	
880-14143-9	BH-2 (6-7')	Total/NA	Solid	8015 NM	
880-14143-11	BH-3 (0-1')	Total/NA	Solid	8015 NM	
880-14143-12	BH-3 (2-3')	Total/NA	Solid	8015 NM	
880-14143-13	BH-3 (4-5')	Total/NA	Solid	8015 NM	
880-14143-14	BH-3 (6-7')	Total/NA	Solid	8015 NM	
880-14143-15	BH-3 (9-10')	Total/NA	Solid	8015 NM	
880-14143-16	BH-3 (12-13')	Total/NA	Solid	8015 NM	
880-14143-17	BH-3 (14-15')	Total/NA	Solid	8015 NM	
880-14143-18	BH-4 (0-1')	Total/NA	Solid	8015 NM	
880-14143-19	BH-4 (2-3')	Total/NA	Solid	8015 NM	
880-14143-20	BH-4 (4-5')	Total/NA	Solid	8015 NM	
880-14143-21	BH-4 (6-7')	Total/NA	Solid	8015 NM	
880-14143-22	BH-4 (9-10')	Total/NA	Solid	8015 NM	
880-14143-23	BH-4 (12-13')	Total/NA	Solid	8015 NM	
880-14143-25	BH-5 (0-1')	Total/NA	Solid	8015 NM	
880-14143-26	BH-5 (2-3')	Total/NA	Solid	8015 NM	
880-14143-27	BH-5 (4-5')	Total/NA	Solid	8015 NM	
880-14143-28	BH-5 (6-7')	Total/NA	Solid	8015 NM	
880-14143-29	BH-5 (9-10')	Total/NA	Solid	8015 NM	
880-14143-30	BH-5 (12-13')	Total/NA	Solid	8015 NM	
880-14143-31	BH-5 (14-15')	Total/NA	Solid	8015 NM	
880-14143-32	BH-5 (19-20')	Total/NA	Solid	8015 NM	
880-14143-34	BH-6 (0-1')	Total/NA	Solid	8015 NM	
880-14143-35	BH-6 (2-3')	Total/NA	Solid	8015 NM	
880-14143-36	BH-6 (4-5')	Total/NA	Solid	8015 NM	
880-14143-37	BH-6 (6-7')	Total/NA	Solid	8015 NM	
880-14143-38	BH-6 (9-10')	Total/NA	Solid	8015 NM	
880-14143-39	BH-6 (12-13')	Total/NA	Solid	8015 NM	
880-14143-40	BH-6 (14-15')	Total/NA	Solid	8015 NM	
880-14143-41	BH-6 (19-20')	Total/NA	Solid	8015 NM	
880-14143-42	BH-6 (24-25')	Total/NA	Solid	8015 NM	
880-14143-43	BH-7 (0-1')	Total/NA	Solid	8015 NM	
880-14143-44	BH-7 (2-3')	Total/NA	Solid	8015 NM	
880-14143-45	BH-7 (4-5')	Total/NA	Solid	8015 NM	
880-14143-46	BH-7 (6-7')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 24332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-1	BH-1 (0-1')	Soluble	Solid	DI Leach	
880-14143-2	BH-1 (2-3')	Soluble	Solid	DI Leach	
880-14143-3	BH-1 (4-5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
 SDG: Eddy Co,NM

HPLC/IC (Continued)

Leach Batch: 24332 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-4	BH-1 (6-7')	Soluble	Solid	DI Leach	
880-14143-5	BH-1 (9-10')	Soluble	Solid	DI Leach	
880-14143-6	BH-2 (0-1')	Soluble	Solid	DI Leach	
880-14143-7	BH-2 (2-3')	Soluble	Solid	DI Leach	
880-14143-8	BH-2 (4-5')	Soluble	Solid	DI Leach	
880-14143-9	BH-2 (6-7')	Soluble	Solid	DI Leach	
880-14143-11	BH-3 (0-1')	Soluble	Solid	DI Leach	
880-14143-12	BH-3 (2-3')	Soluble	Solid	DI Leach	
880-14143-13	BH-3 (4-5')	Soluble	Solid	DI Leach	
880-14143-14	BH-3 (6-7')	Soluble	Solid	DI Leach	
880-14143-15	BH-3 (9-10')	Soluble	Solid	DI Leach	
880-14143-16	BH-3 (12-13')	Soluble	Solid	DI Leach	
880-14143-17	BH-3 (14-15')	Soluble	Solid	DI Leach	
880-14143-18	BH-4 (0-1')	Soluble	Solid	DI Leach	
880-14143-19	BH-4 (2-3')	Soluble	Solid	DI Leach	
880-14143-20	BH-4 (4-5')	Soluble	Solid	DI Leach	
880-14143-21	BH-4 (6-7')	Soluble	Solid	DI Leach	
MB 880-24332/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-24332/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-24332/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-14143-1 MS	BH-1 (0-1')	Soluble	Solid	DI Leach	
880-14143-1 MSD	BH-1 (0-1')	Soluble	Solid	DI Leach	
880-14143-12 MS	BH-3 (2-3')	Soluble	Solid	DI Leach	
880-14143-12 MSD	BH-3 (2-3')	Soluble	Solid	DI Leach	

Leach Batch: 24333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-22	BH-4 (9-10')	Soluble	Solid	DI Leach	
880-14143-23	BH-4 (12-13')	Soluble	Solid	DI Leach	
880-14143-25	BH-5 (0-1')	Soluble	Solid	DI Leach	
880-14143-26	BH-5 (2-3')	Soluble	Solid	DI Leach	
880-14143-27	BH-5 (4-5')	Soluble	Solid	DI Leach	
880-14143-28	BH-5 (6-7')	Soluble	Solid	DI Leach	
880-14143-29	BH-5 (9-10')	Soluble	Solid	DI Leach	
880-14143-30	BH-5 (12-13')	Soluble	Solid	DI Leach	
880-14143-31	BH-5 (14-15')	Soluble	Solid	DI Leach	
880-14143-32	BH-5 (19-20')	Soluble	Solid	DI Leach	
880-14143-34	BH-6 (0-1')	Soluble	Solid	DI Leach	
880-14143-35	BH-6 (2-3')	Soluble	Solid	DI Leach	
880-14143-36	BH-6 (4-5')	Soluble	Solid	DI Leach	
880-14143-37	BH-6 (6-7')	Soluble	Solid	DI Leach	
880-14143-38	BH-6 (9-10')	Soluble	Solid	DI Leach	
880-14143-39	BH-6 (12-13')	Soluble	Solid	DI Leach	
880-14143-40	BH-6 (14-15')	Soluble	Solid	DI Leach	
880-14143-41	BH-6 (19-20')	Soluble	Solid	DI Leach	
880-14143-42	BH-6 (24-25')	Soluble	Solid	DI Leach	
MB 880-24333/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-24333/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-24333/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-14143-22 MS	BH-4 (9-10')	Soluble	Solid	DI Leach	
880-14143-22 MSD	BH-4 (9-10')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

HPLC/IC (Continued)

Leach Batch: 24333 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-32 MS	BH-5 (19-20')	Soluble	Solid	DI Leach	
880-14143-32 MSD	BH-5 (19-20')	Soluble	Solid	DI Leach	

Leach Batch: 24335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-43	BH-7 (0-1')	Soluble	Solid	DI Leach	
880-14143-44	BH-7 (2-3')	Soluble	Solid	DI Leach	
880-14143-45	BH-7 (4-5')	Soluble	Solid	DI Leach	
880-14143-46	BH-7 (6-7')	Soluble	Solid	DI Leach	
MB 880-24335/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-24335/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-24335/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-14143-43 MS	BH-7 (0-1')	Soluble	Solid	DI Leach	
880-14143-43 MSD	BH-7 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 24518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-1	BH-1 (0-1')	Soluble	Solid	300.0	24332
880-14143-2	BH-1 (2-3')	Soluble	Solid	300.0	24332
880-14143-3	BH-1 (4-5')	Soluble	Solid	300.0	24332
880-14143-4	BH-1 (6-7')	Soluble	Solid	300.0	24332
880-14143-5	BH-1 (9-10')	Soluble	Solid	300.0	24332
880-14143-6	BH-2 (0-1')	Soluble	Solid	300.0	24332
880-14143-7	BH-2 (2-3')	Soluble	Solid	300.0	24332
880-14143-8	BH-2 (4-5')	Soluble	Solid	300.0	24332
880-14143-9	BH-2 (6-7')	Soluble	Solid	300.0	24332
880-14143-11	BH-3 (0-1')	Soluble	Solid	300.0	24332
880-14143-12	BH-3 (2-3')	Soluble	Solid	300.0	24332
880-14143-13	BH-3 (4-5')	Soluble	Solid	300.0	24332
880-14143-14	BH-3 (6-7')	Soluble	Solid	300.0	24332
880-14143-15	BH-3 (9-10')	Soluble	Solid	300.0	24332
880-14143-16	BH-3 (12-13')	Soluble	Solid	300.0	24332
880-14143-17	BH-3 (14-15')	Soluble	Solid	300.0	24332
880-14143-18	BH-4 (0-1')	Soluble	Solid	300.0	24332
880-14143-19	BH-4 (2-3')	Soluble	Solid	300.0	24332
880-14143-20	BH-4 (4-5')	Soluble	Solid	300.0	24332
880-14143-21	BH-4 (6-7')	Soluble	Solid	300.0	24332
MB 880-24332/1-A	Method Blank	Soluble	Solid	300.0	24332
LCS 880-24332/2-A	Lab Control Sample	Soluble	Solid	300.0	24332
LCSD 880-24332/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	24332
880-14143-1 MS	BH-1 (0-1')	Soluble	Solid	300.0	24332
880-14143-1 MSD	BH-1 (0-1')	Soluble	Solid	300.0	24332
880-14143-12 MS	BH-3 (2-3')	Soluble	Solid	300.0	24332
880-14143-12 MSD	BH-3 (2-3')	Soluble	Solid	300.0	24332

Analysis Batch: 24519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-43	BH-7 (0-1')	Soluble	Solid	300.0	24335
880-14143-44	BH-7 (2-3')	Soluble	Solid	300.0	24335
880-14143-45	BH-7 (4-5')	Soluble	Solid	300.0	24335
880-14143-46	BH-7 (6-7')	Soluble	Solid	300.0	24335

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

HPLC/IC (Continued)

Analysis Batch: 24519 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-24335/1-A	Method Blank	Soluble	Solid	300.0	24335
LCS 880-24335/2-A	Lab Control Sample	Soluble	Solid	300.0	24335
LCSD 880-24335/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	24335
880-14143-43 MS	BH-7 (0-1')	Soluble	Solid	300.0	24335
880-14143-43 MSD	BH-7 (0-1')	Soluble	Solid	300.0	24335

Analysis Batch: 24520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14143-22	BH-4 (9-10')	Soluble	Solid	300.0	24333
880-14143-23	BH-4 (12-13')	Soluble	Solid	300.0	24333
880-14143-25	BH-5 (0-1')	Soluble	Solid	300.0	24333
880-14143-26	BH-5 (2-3')	Soluble	Solid	300.0	24333
880-14143-27	BH-5 (4-5')	Soluble	Solid	300.0	24333
880-14143-28	BH-5 (6-7')	Soluble	Solid	300.0	24333
880-14143-29	BH-5 (9-10')	Soluble	Solid	300.0	24333
880-14143-30	BH-5 (12-13')	Soluble	Solid	300.0	24333
880-14143-31	BH-5 (14-15')	Soluble	Solid	300.0	24333
880-14143-32	BH-5 (19-20')	Soluble	Solid	300.0	24333
880-14143-34	BH-6 (0-1')	Soluble	Solid	300.0	24333
880-14143-35	BH-6 (2-3')	Soluble	Solid	300.0	24333
880-14143-36	BH-6 (4-5')	Soluble	Solid	300.0	24333
880-14143-37	BH-6 (6-7')	Soluble	Solid	300.0	24333
880-14143-38	BH-6 (9-10')	Soluble	Solid	300.0	24333
880-14143-39	BH-6 (12-13')	Soluble	Solid	300.0	24333
880-14143-40	BH-6 (14-15')	Soluble	Solid	300.0	24333
880-14143-41	BH-6 (19-20')	Soluble	Solid	300.0	24333
880-14143-42	BH-6 (24-25')	Soluble	Solid	300.0	24333
MB 880-24333/1-A	Method Blank	Soluble	Solid	300.0	24333
LCS 880-24333/2-A	Lab Control Sample	Soluble	Solid	300.0	24333
LCSD 880-24333/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	24333
880-14143-22 MS	BH-4 (9-10')	Soluble	Solid	300.0	24333
880-14143-22 MSD	BH-4 (9-10')	Soluble	Solid	300.0	24333
880-14143-32 MS	BH-5 (19-20')	Soluble	Solid	300.0	24333
880-14143-32 MSD	BH-5 (19-20')	Soluble	Solid	300.0	24333

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-1 (0-1')

Lab Sample ID: 880-14143-1

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 04:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 12:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24332	04/27/22 12:52	SC	XEN MID
Soluble	Analysis	300.0		1			24518	04/29/22 14:17	SC	XEN MID

Client Sample ID: BH-1 (2-3')

Lab Sample ID: 880-14143-2

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 04:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 13:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24332	04/27/22 12:52	SC	XEN MID
Soluble	Analysis	300.0		1			24518	04/29/22 14:45	SC	XEN MID

Client Sample ID: BH-1 (4-5')

Lab Sample ID: 880-14143-3

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 04:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 14:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24332	04/27/22 12:52	SC	XEN MID
Soluble	Analysis	300.0		1			24518	04/29/22 14:54	SC	XEN MID

Client Sample ID: BH-1 (6-7')

Lab Sample ID: 880-14143-4

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 05:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-1 (6-7')

Lab Sample ID: 880-14143-4

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 14:21	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24332	04/27/22 12:52	SC	XEN MID
Soluble	Analysis	300.0		1			24518	04/29/22 15:03	SC	XEN MID

Client Sample ID: BH-1 (9-10')

Lab Sample ID: 880-14143-5

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 05:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 14:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		1			24518	04/29/22 15:13	SC	XEN MID

Client Sample ID: BH-2 (0-1')

Lab Sample ID: 880-14143-6

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 05:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 15:04	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		10			24518	05/01/22 15:26	SC	XEN MID

Client Sample ID: BH-2 (2-3')

Lab Sample ID: 880-14143-7

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 06:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 15:25	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-2 (2-3')

Lab Sample ID: 880-14143-7

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		20			24518	04/30/22 19:48	SC	XEN MID

Client Sample ID: BH-2 (4-5')

Lab Sample ID: 880-14143-8

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 06:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 15:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		10			24518	04/30/22 19:57	SC	XEN MID

Client Sample ID: BH-2 (6-7')

Lab Sample ID: 880-14143-9

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 06:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 16:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		1			24518	04/29/22 16:08	SC	XEN MID

Client Sample ID: BH-3 (0-1')

Lab Sample ID: 880-14143-11

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 09:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 17:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		20			24518	04/29/22 16:18	SC	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-3 (2-3')

Date Collected: 04/26/22 00:00

Date Received: 04/27/22 10:00

Lab Sample ID: 880-14143-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 09:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 17:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		20			24518	04/29/22 16:28	SC	XEN MID

Client Sample ID: BH-3 (4-5')

Date Collected: 04/26/22 00:00

Date Received: 04/27/22 10:00

Lab Sample ID: 880-14143-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 09:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 17:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		10			24518	04/30/22 20:06	SC	XEN MID

Client Sample ID: BH-3 (6-7')

Date Collected: 04/26/22 00:00

Date Received: 04/27/22 10:00

Lab Sample ID: 880-14143-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 10:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 18:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		20			24518	04/29/22 17:06	SC	XEN MID

Client Sample ID: BH-3 (9-10')

Date Collected: 04/26/22 00:00

Date Received: 04/27/22 10:00

Lab Sample ID: 880-14143-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 10:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-3 (9-10')

Lab Sample ID: 880-14143-15

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 18:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		20			24518	04/29/22 17:35	SC	XEN MID

Client Sample ID: BH-3 (12-13')

Lab Sample ID: 880-14143-16

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 11:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 19:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		1			24518	04/29/22 17:44	SC	XEN MID

Client Sample ID: BH-3 (14-15')

Lab Sample ID: 880-14143-17

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 11:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 19:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		1			24518	04/29/22 17:54	SC	XEN MID

Client Sample ID: BH-4 (0-1')

Lab Sample ID: 880-14143-18

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 11:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 20:04	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-4 (0-1')

Lab Sample ID: 880-14143-18

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		20			24518	04/29/22 18:03	SC	XEN MID

Client Sample ID: BH-4 (2-3')

Lab Sample ID: 880-14143-19

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 12:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 20:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		10			24518	04/29/22 18:13	SC	XEN MID

Client Sample ID: BH-4 (4-5')

Lab Sample ID: 880-14143-20

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	24409	04/28/22 11:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24589	05/02/22 12:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 20:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		10			24518	04/29/22 18:22	SC	XEN MID

Client Sample ID: BH-4 (6-7')

Lab Sample ID: 880-14143-21

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 17:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 22:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24332	04/27/22 12:53	SC	XEN MID
Soluble	Analysis	300.0		10			24518	04/29/22 18:32	SC	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-4 (9-10')

Lab Sample ID: 880-14143-22

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 17:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 23:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		1			24520	04/29/22 18:27	CH	XEN MID

Client Sample ID: BH-4 (12-13')

Lab Sample ID: 880-14143-23

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 18:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 23:59	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		1			24520	04/29/22 18:54	CH	XEN MID

Client Sample ID: BH-5 (0-1')

Lab Sample ID: 880-14143-25

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 18:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 00:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		50			24520	04/29/22 19:12	CH	XEN MID

Client Sample ID: BH-5 (2-3')

Lab Sample ID: 880-14143-26

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 18:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-5 (2-3')

Lab Sample ID: 880-14143-26

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 01:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		5			24520	05/02/22 00:29	CH	XEN MID

Client Sample ID: BH-5 (4-5')

Lab Sample ID: 880-14143-27

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 19:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 01:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		5			24520	04/29/22 19:47	CH	XEN MID

Client Sample ID: BH-5 (6-7')

Lab Sample ID: 880-14143-28

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 19:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 01:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		10			24520	05/02/22 00:38	CH	XEN MID

Client Sample ID: BH-5 (9-10')

Lab Sample ID: 880-14143-29

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 19:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 02:04	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-5 (9-10')

Date Collected: 04/26/22 00:00

Date Received: 04/27/22 10:00

Lab Sample ID: 880-14143-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		1			24520	04/29/22 20:05	CH	XEN MID

Client Sample ID: BH-5 (12-13')

Date Collected: 04/26/22 00:00

Date Received: 04/27/22 10:00

Lab Sample ID: 880-14143-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 20:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 02:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		1			24520	04/29/22 20:14	CH	XEN MID

Client Sample ID: BH-5 (14-15')

Date Collected: 04/26/22 00:00

Date Received: 04/27/22 10:00

Lab Sample ID: 880-14143-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 20:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 03:06	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		1			24520	04/29/22 20:22	CH	XEN MID

Client Sample ID: BH-5 (19-20')

Date Collected: 04/26/22 00:00

Date Received: 04/27/22 10:00

Lab Sample ID: 880-14143-32

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 22:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 03:27	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		10			24520	04/29/22 20:31	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-6 (0-1')

Lab Sample ID: 880-14143-34

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 22:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 04:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		10			24520	05/02/22 00:47	CH	XEN MID

Client Sample ID: BH-6 (2-3')

Lab Sample ID: 880-14143-35

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 23:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 04:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		10			24520	05/02/22 00:56	CH	XEN MID

Client Sample ID: BH-6 (4-5')

Lab Sample ID: 880-14143-36

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 23:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 04:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		5			24520	04/29/22 21:33	CH	XEN MID

Client Sample ID: BH-6 (6-7')

Lab Sample ID: 880-14143-37

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/02/22 23:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-6 (6-7')

Lab Sample ID: 880-14143-37

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 05:12	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		10			24520	05/02/22 01:05	CH	XEN MID

Client Sample ID: BH-6 (9-10')

Lab Sample ID: 880-14143-38

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/03/22 00:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 05:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		1			24520	04/29/22 21:51	CH	XEN MID

Client Sample ID: BH-6 (12-13')

Lab Sample ID: 880-14143-39

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/03/22 00:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 05:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		1			24520	04/29/22 22:00	CH	XEN MID

Client Sample ID: BH-6 (14-15')

Lab Sample ID: 880-14143-40

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	24420	04/28/22 11:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24635	05/03/22 00:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 06:15	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-6 (14-15')

Lab Sample ID: 880-14143-40

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		1			24520	04/29/22 22:09	CH	XEN MID

Client Sample ID: BH-6 (19-20')

Lab Sample ID: 880-14143-41

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	24423	04/28/22 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24569	05/01/22 16:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 03:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		1			24520	04/29/22 22:18	CH	XEN MID

Client Sample ID: BH-6 (24-25')

Lab Sample ID: 880-14143-42

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	24423	04/28/22 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24569	05/01/22 16:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24351	04/27/22 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/02/22 00:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	24333	04/27/22 12:56	SC	XEN MID
Soluble	Analysis	300.0		1			24520	04/29/22 22:26	CH	XEN MID

Client Sample ID: BH-7 (0-1')

Lab Sample ID: 880-14143-43

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	24423	04/28/22 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24569	05/01/22 17:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24350	04/27/22 15:01	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24579	05/01/22 16:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24335	04/29/22 10:53	SC	XEN MID
Soluble	Analysis	300.0		50			24519	04/29/22 14:11	SC	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Client Sample ID: BH-7 (2-3')

Lab Sample ID: 880-14143-44

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	24423	04/28/22 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24569	05/01/22 17:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24289	04/27/22 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24465	04/30/22 03:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24335	04/29/22 10:53	SC	XEN MID
Soluble	Analysis	300.0		5			24519	04/29/22 16:50	SC	XEN MID

Client Sample ID: BH-7 (4-5')

Lab Sample ID: 880-14143-45

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	24423	04/28/22 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24569	05/01/22 17:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24289	04/27/22 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24465	04/30/22 04:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	24335	04/29/22 10:53	SC	XEN MID
Soluble	Analysis	300.0		5			24519	04/29/22 17:17	SC	XEN MID

Client Sample ID: BH-7 (6-7')

Lab Sample ID: 880-14143-46

Date Collected: 04/26/22 00:00

Matrix: Solid

Date Received: 04/27/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	24423	04/28/22 11:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	24569	05/01/22 18:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24662	05/02/22 13:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24659	05/02/22 12:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24289	04/27/22 15:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24465	04/30/22 04:22	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24335	04/29/22 10:53	SC	XEN MID
Soluble	Analysis	300.0		5			24519	04/29/22 14:55	SC	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:

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

Sample Summary

Client: Carmona Resources
Project/Site: Copperhead Fee A 3H (02.08.22)

Job ID: 880-14143-1
SDG: Eddy Co,NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-14143-1	BH-1 (0-1')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-2	BH-1 (2-3')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-3	BH-1 (4-5')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-4	BH-1 (6-7')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-5	BH-1 (9-10')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-6	BH-2 (0-1')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-7	BH-2 (2-3')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-8	BH-2 (4-5')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-9	BH-2 (6-7')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-11	BH-3 (0-1')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-12	BH-3 (2-3')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-13	BH-3 (4-5')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-14	BH-3 (6-7')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-15	BH-3 (9-10')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-16	BH-3 (12-13')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-17	BH-3 (14-15')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-18	BH-4 (0-1')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-19	BH-4 (2-3')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-20	BH-4 (4-5')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-21	BH-4 (6-7')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-22	BH-4 (9-10')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-23	BH-4 (12-13')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-25	BH-5 (0-1')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-26	BH-5 (2-3')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-27	BH-5 (4-5')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-28	BH-5 (6-7')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-29	BH-5 (9-10')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-30	BH-5 (12-13')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-31	BH-5 (14-15')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-32	BH-5 (19-20')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-34	BH-6 (0-1')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-35	BH-6 (2-3')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-36	BH-6 (4-5')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-37	BH-6 (6-7')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-38	BH-6 (9-10')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-39	BH-6 (12-13')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-40	BH-6 (14-15')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-41	BH-6 (19-20')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-42	BH-6 (24-25')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-43	BH-7 (0-1')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-44	BH-7 (2-3')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-45	BH-7 (4-5')	Solid	04/26/22 00:00	04/27/22 10:00
880-14143-46	BH-7 (6-7')	Solid	04/26/22 00:00	04/27/22 10:00

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Work Order No: 14143

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Work Order Comments

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

State of Project: ☐ Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADAPT ☐ Other

Project Manager: Conner Moehring

Company Name: Carmona Resources

Address: 310 West Wall Ste 415

City, State ZIP: Midland, TX 79701

Phone: 432-813-6823

Bill to (if different): Jacqui Harris

Company Name: COG

Address: 15 W Loving Rd

City, State ZIP: Loving, NM 86256

Email: jacquiharris@comconhillips.com

Project Name	Copperhead Fee A 3H (02 08 22)	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number	1023	☐ Routine ☒ Rush																
Project Location	Eddy Co, NM	Due Date	72Hrs															
Sampler's Name	CRM	TAT starts the day received by the lab, if received by 4 30pm																
PO #																		
SAMPLE RECEIPT		Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐	Parameters										HOLD		
Received Intact	Yes ☒ No ☐	Thermometer ID	103															
Cooler Custody Seals	Yes ☒ No ☐	Correction Factor	-1															
Sample Custody Seals	Yes ☒ No ☐	Temperature Reading	1.6															
Total Containers		Corrected Temperature	1.5															
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
BH-1 (0-1')	4/26/2022		X		G	1	X	X	X									
BH-1 (2-3')	4/26/2022		X		G	1	X	X	X									
BH-1 (4-5')	4/26/2022		X		G	1	X	X	X									
BH-1 (6-7')	4/26/2022		X		G	1	X	X	X									
BH-1 (9-10')	4/26/2022		X		G	1	X	X	X									
BH-2 (0-1')	4/26/2022		X		G	1	X	X	X									
BH-2 (2-3')	4/26/2022		X		G	1	X	X	X									
BH-2 (4-5')	4/26/2022		X		G	1	X	X	X									
BH-2 (6-7')	4/26/2022		X		G	1	X	X	X									
BH-2 (9-10')	4/26/2022		X		G	1	X	X	X									



880-14143 Chain of Custody

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	4/27 10:00	2		
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Work Order No: 14143

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Project Manager	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 West Wall Ste 415	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving, NM 88256
Phone	432-813-6823	Email	jacquiharris@conocophillips.com

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

Project Name		Copperhead Fee A 3H (02 08 22)		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	1023		☐ Routine	☒ Rush													None NO	DI Water H ₂ O		
Project Location	Eddy Co, NM		Due Date	72Hrs													Cool Cool	MeOH Me		
Sampler's Name	CRM		TAT starts the day received by the lab if received by 4:30pm														HCL HC	HNO ₃ HN		
PO #:																	H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT			Temp Blank	Yes No	Well Ice.	Yes No											H ₃ PO ₄ HP			
Received Intact:			Yes No	Thermometer ID													NaHSO ₄ NABIS			
Cooler Custody Seals			Yes No N/A	Correction Factor													Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals			Yes No N/A	Temperature Reading													Zn Acetate+NaOH Zn			
Total Containers			Corrected Temperature														NaOH+Ascorbic Acid SAsPC			
Sample Identification		Date	Time	Soil	Water	Grav/Comp	# of Cont											Sample Comments		
BH-3 (0-1')		4/26/2022		X		G	1	X	X	X										
BH-3 (2-3')		4/26/2022		X		G	1	X	X	X										
BH-3 (4-5')		4/26/2022		X		G	1	X	X	X										
BH-3 (6-7')		4/26/2022		X		G	1	X	X	X										
BH-3 (9-10')		4/26/2022		X		G	1	X	X	X										
BH-3 (12-13')		4/26/2022		X		G	1	X	X	X										
BH-3 (14-15')		4/26/2022		X		G	1	X	X	X										
BH-4 (0-1')		4/26/2022		X		G	1	X	X	X										
BH-4 (2-3')		4/26/2022		X		G	1	X	X	X										
BH-4 (4-5')		4/26/2022		X		G	1	X	X	X										

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	4/27/2022			

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Work Order No: 14143

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 West Wall Ste 415	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving, NM 88256
Phone	432-813-6823	Email	jacquiharris@conocophillips.com

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

Project Name.	Copperhead Fee A 3H (02 08 22)	Turn Around			ANALYSIS REQUEST												Preservative Codes		
Project Number	1023	☐ Routine ☒ Rush	Pres. Code													None NO	DI Water H ₂ O		
Project Location	Eddy Co, NM	Due Date	72Hrs													Cool Cool	MeOH Me		
Sampler's Name	CRM	TAI starts the day received by the lab if received by 4.30pm														HCL HC	HNO ₃ HN		
PO #																H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT				Temp Blank	Yes No	Wet Ice.	Yes No											H ₃ PO ₄ HP	
Received Intact	Yes No	Thermometer ID																NaHSO ₄ NABIS	
Cooler Custody Seals	Yes No N/A	Correction Factor																Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes No N/A	Temperature Reading																Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature																NaOH+Ascorbic Acid SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
BH-4 (6-7')		4/26/2022		X		G	1	X	X	X									
BH-4 (9-10')		4/26/2022		X		G	1	X	X	X									
BH-4 (12-13')		4/26/2022		X		G	1	X	X	X									
BH-4 (14-15')		4/26/2022		X		G	1	X	X	X									
BH-5 (0-1')		4/26/2022		X		G	1	X	X	X									
BH-5 (2-3')		4/26/2022		X		G	1	X	X	X									
BH-5 (4-5')		4/26/2022		X		G	1	X	X	X									
BH-5 (6-7')		4/26/2022		X		G	1	X	X	X									
BH-5 (9-10')		4/26/2022		X		G	1	X	X	X									
BH-5 (12-13')		4/26/2022		X		G	1	X	X	X									

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
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Work Order No: 14142

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Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 West Wall Ste 415	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving NM 88256
Phone	432-813-6823	Email	jacquiharris@conocophillips.com

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

Project Name.	Copperhead Fee A 3H (02 08 22)			Turn Around			ANALYSIS REQUEST												Preservative Codes	
Project Number	1023			☐ Routine	☒ Rush	Pres. Code											None NO	DI Water H ₂ O		
Project Location	Eddy Co. NM			Due Date	72Hrs												Cool Cool	MeOH Me		
Sampler's Name.	CRM			TAT starts the day received by the lab if received by 4 30pm													HCL HC	HNO ₃ HN		
PO #																	H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT	Temp Blank.	Yes No	Yes No	Wet Ice	Yes No	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0								HOLD	H ₃ PO ₄ HP		
	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.																	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments		
BH-5 (14-15')		4/26/2022		X		G	1	X	X	X										
BH-5 (19-20')		4/26/2022		X		G	1	X	X	X										
BH-5 (24-25')		4/26/2022		X		G	1										X			
BH-6 (0-1')		4/26/2022		X		G	1	X	X	X										
BH-6 (2-3)		4/26/2022		X		G	1	X	X	X										
BH-6 (4-5)		4/26/2022		X		G	1	X	X	X										
BH-6 (6-7)		4/26/2022		X		G	1	X	X	X										
BH-6 (9-10)		4/26/2022		X		G	1	X	X	X										
BH-6 (12-13)		4/26/2022		X		G	1	X	X	X										
BH-6 (14-15)		4/26/2022		X		G	1	X	X	X										

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		4/27 10:00			

Work Order No: 14143

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-14143-1

SDG Number: Eddy Co,NM

Login Number: 14143

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 107022

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 107022
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved. Variance Approved: Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than four hundred (400) square feet.	8/23/2022