



SITE INFORMATION

Closure Report
Diamondback 22 State Com 004H (06.17.22)
Eddy County, New Mexico
Unit D Sec 22 T26S R28E
32.032412°, -104.080534°

Produced Water Release
Point of Release: 4" polyline failure
Release Date: 06.17.2022
Volume Released: 0.5 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 500
Midland, Texas 79701

TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 REMEDIATION ACTIVITIES

6.0 CONCLUSIONS

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC
FIGURE 3	SAMPLE LOCATION	FIGURE 4	EXCAVATION

APPENDICES

APPENDIX A	TABLE
APPENDIX B	PHOTOS
APPENDIX C	INITIAL C-141 AND REMEDIATION PLAN
APPENDIX D	SITE CHARACTERIZATION AND GROUNDWATER
APPENDIX E	LABORATORY REPORTS



December 22, 2022

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

**Re: Closure Report
Diamondback 22 State Com 004H (06.17.22)
Concho Operating, LLC
Site Location: Unit D, S22, T26S, R28E
(Lat 32.032412°, Long -104.080534°)
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 the Diamondback 22 State Com 004H (06.17.22). The site is located at 32.032412°, -104.080534° within Unit D, S22, T26S, R28E, 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 June 17, 2022, from a polyline failure due to corrosion. It resulted in the release of approximately zero-point-five (0.5) barrels of produced water, and zero (0) barrels were recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known water source within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.28 miles Southwest of the site in S22, T26S, R28E and was drilled in 1961. The well has a reported depth to groundwater of 120' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

On November 16, 2021, Scarborough Drilling, Inc was onsite to drill a groundwater determination bore to 59' 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 59' below the surface. The coordinates for the groundwater determination bore are 32.03314°, -104.08201. See Appendix D for the log.

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



3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On July 21, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) sample points and six (6) horizontal samples were advanced to depths ranging from the surface to 4.5' 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.

Vertical Delineation

Vertical delineation was not achieved. Refer to Table 1.

Horizontal Delineation

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

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on December 9, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 was excavated to a depth of 8.0' below the surface, the area of S-2 was excavated to a depth of 5.5', and the area of S-4 was excavated to a depth of 1.0' below the surface to remove all the impacted soils. A total of six (6) floor confirmation samples were collected (CS-1 through CS-6), and ten (10) sidewall samples (SW-1 through SW-10) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

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Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 196 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and COG formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC



Mike Carmona
Environmental Manager

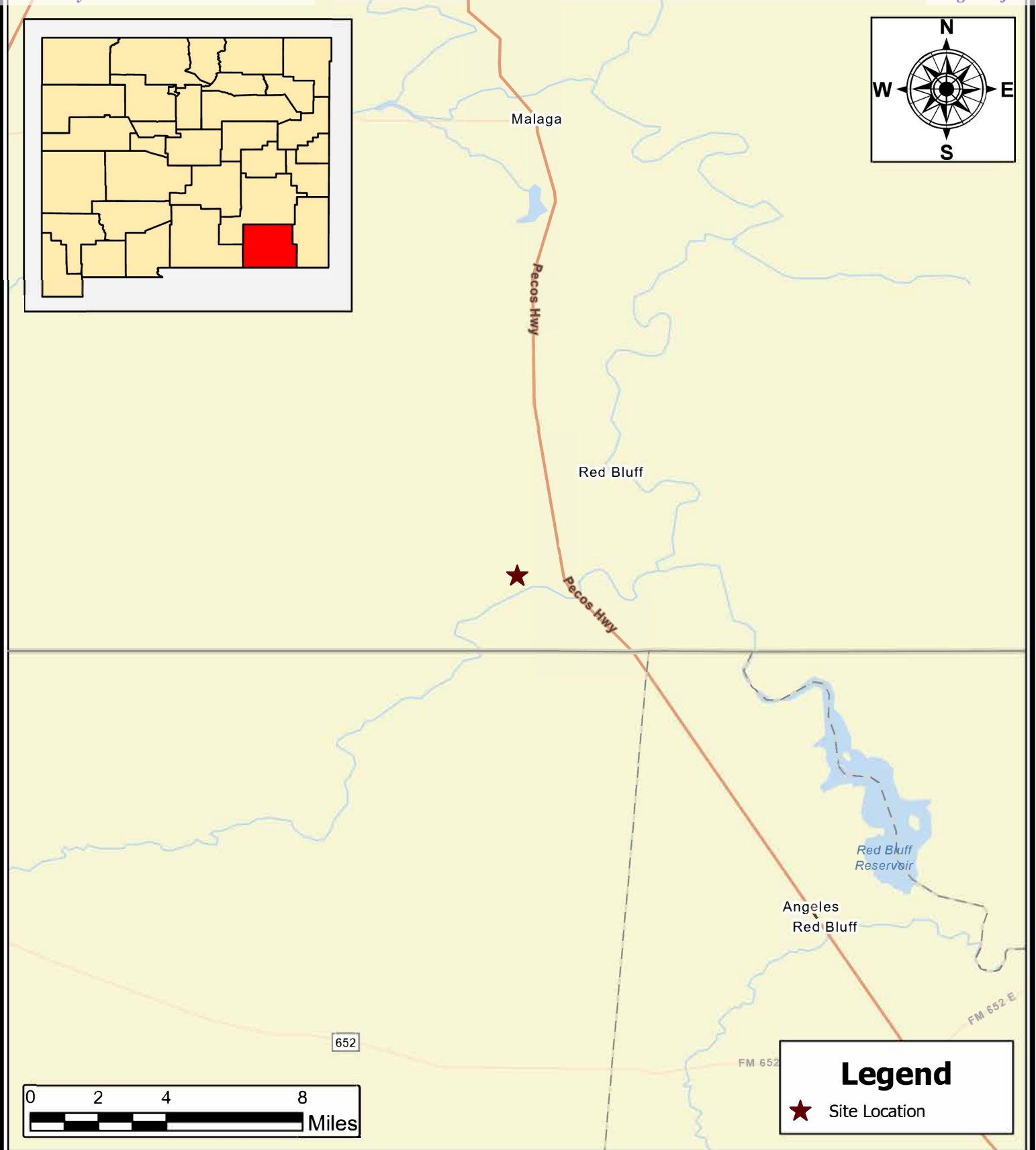


Clinton Merritt
Sr. Project Manager

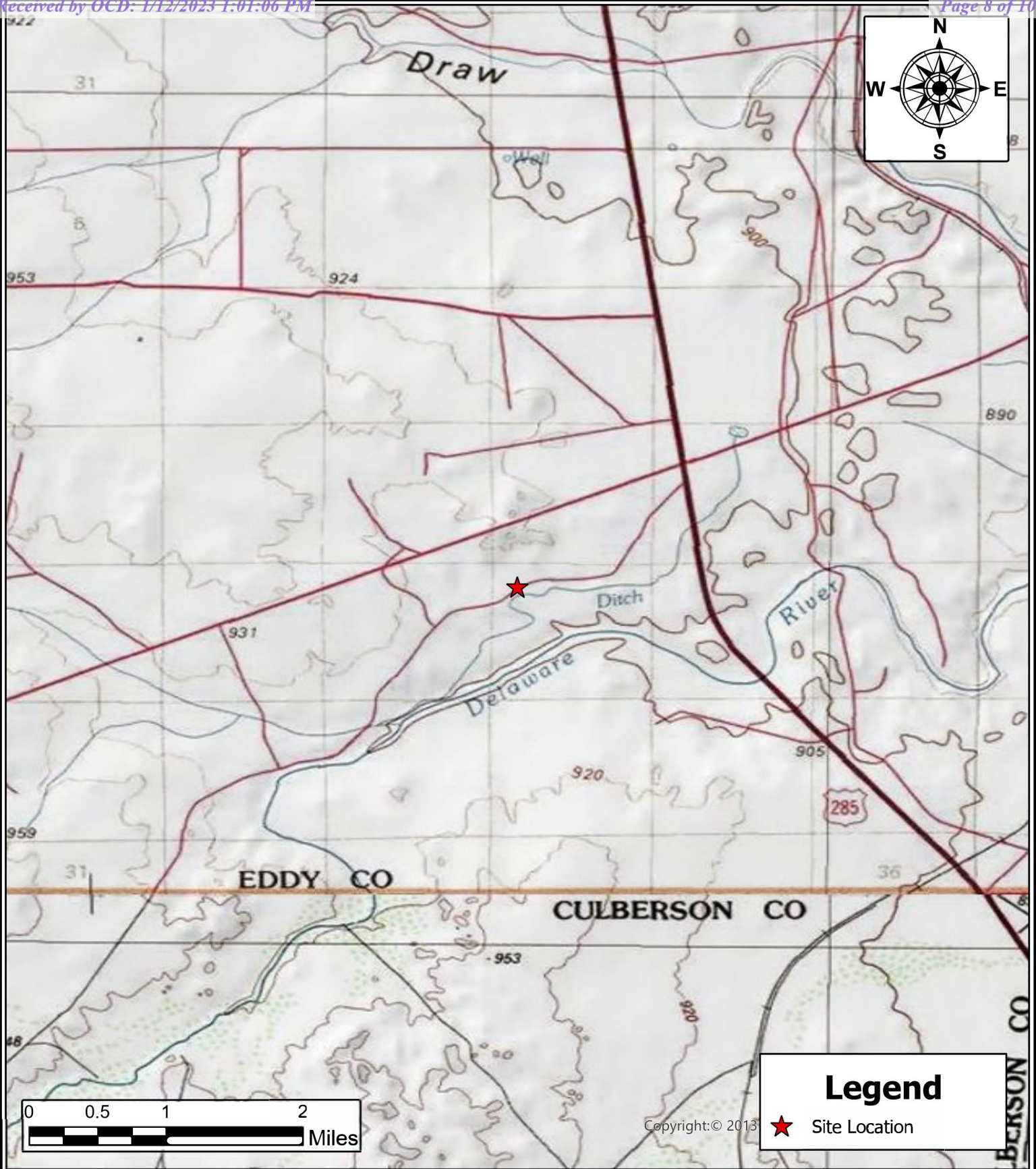
FIGURES

CARMONA RESOURCES

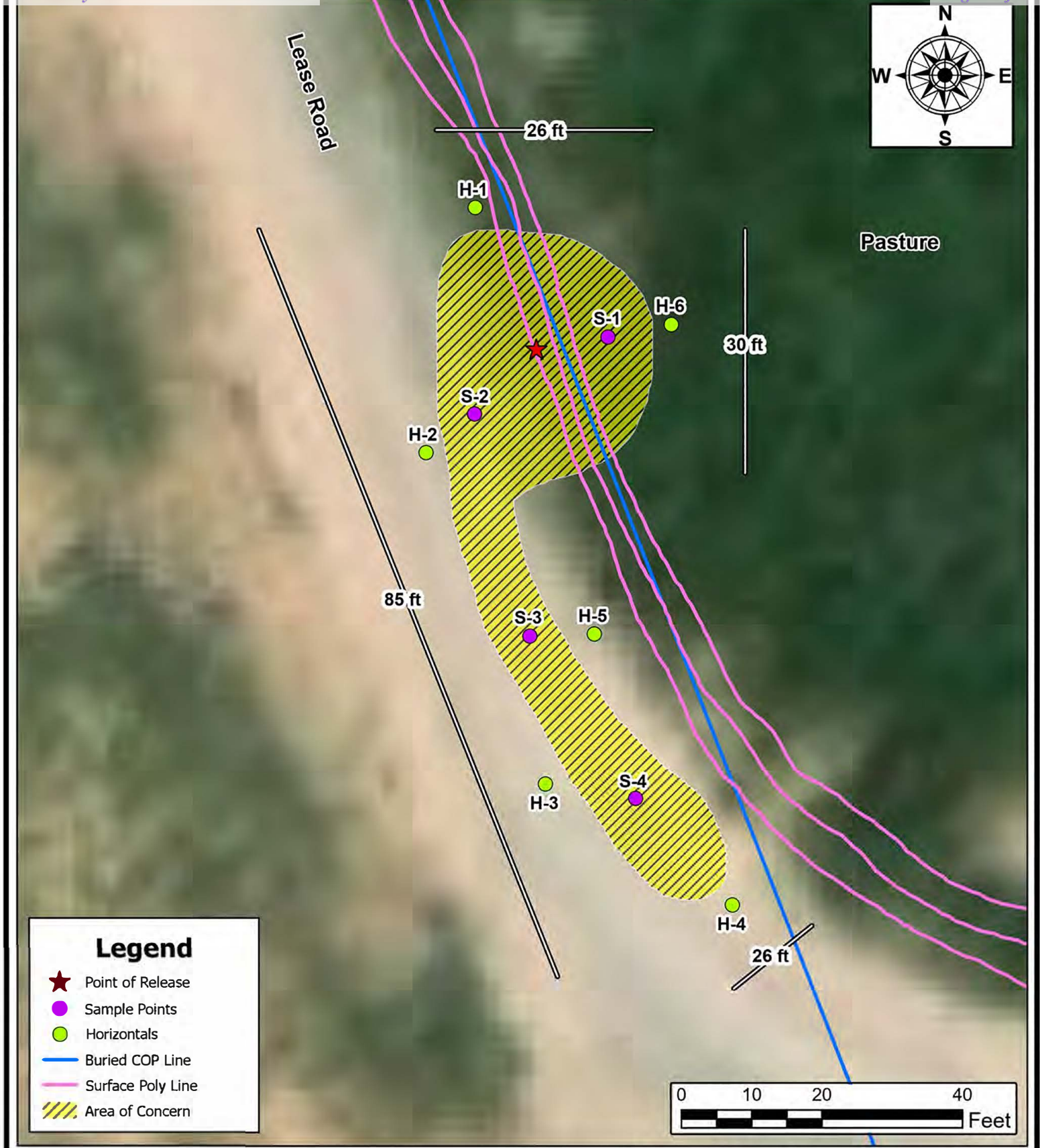




OVERVIEW MAP COG OPERATING DIAMONDBACK 22 #4H PW FLOWLINE (06.17.22) EDDY COUNTY, NEW MEXICO 32.032412, -104.080534	CARMONA RESOURCES  Carmona Resources 310 West Wall Street, Suite 415 Midland, Texas 79701	NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N	DRAWING NUMBER:
SCALE: As Shown			FIGURE 1
Date: 8/5/2022			SHEET NUMBER: 1 of 1



TOPOGRAPHIC MAP COG OPERATING DIAMONDBACK 22 #4H PW FLOWLINE (06.17.22) EDDY COUNTY, NEW MEXICO 32.032412, -104.080534		 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: 8/15/2022				SHEET NUMBER: 1 of 1



Legend

- ★ Point of Release
- Sample Points
- Horizontals
- Buried COP Line
- Surface Poly Line
- ▨ Area of Concern

SAMPLE LOCATION MAP
COG OPERATING
 DIAMONDBACK 22 #4H PW FLOWLINE (06.17.22)
 EDDY COUNTY, NEW MEXICO
 32.032412, -104.080534

SCALE: As Shown Date: 8/15/2022

CARMONA RESOURCES

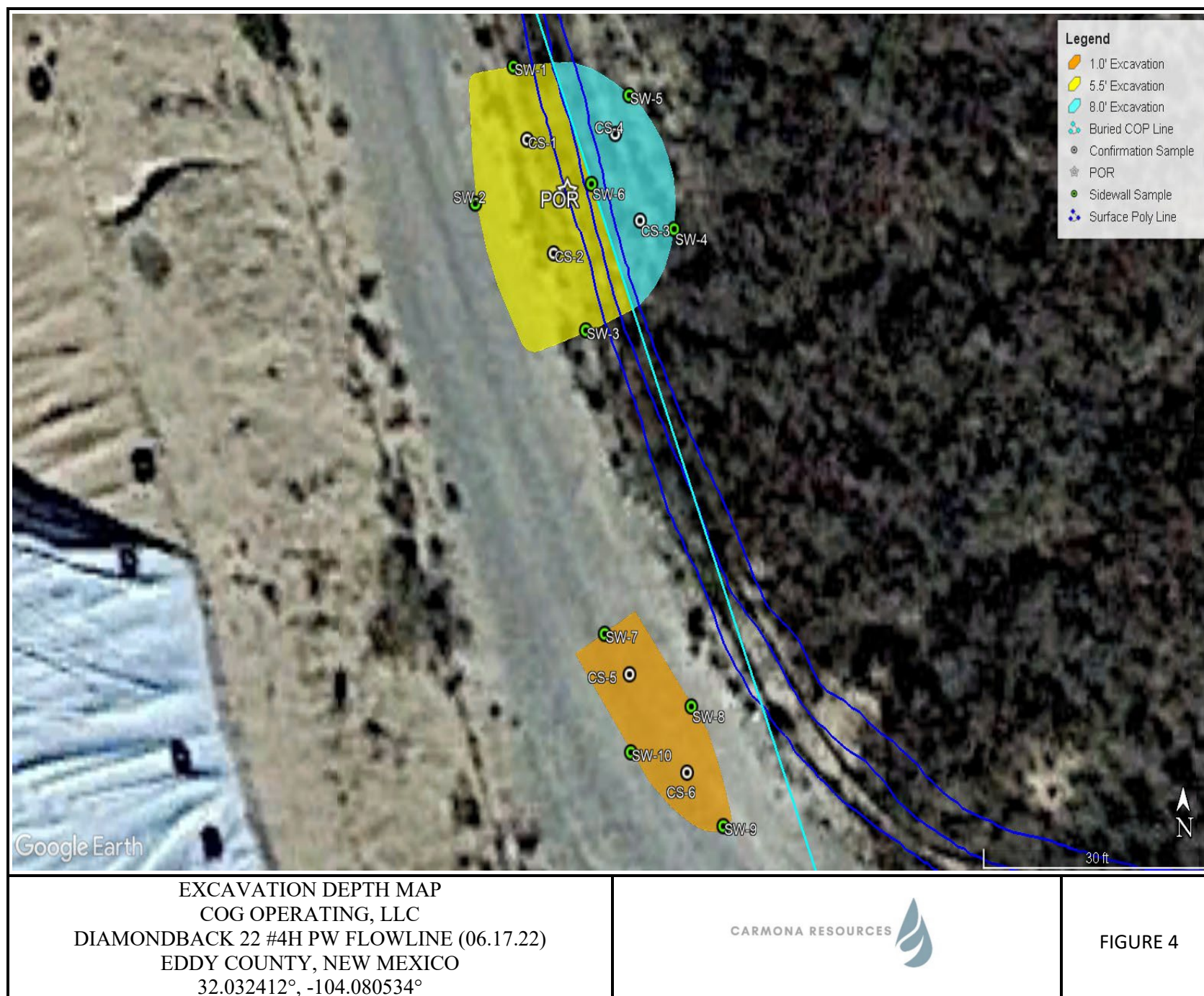
Carmona Resources
 310 West Wall Street, Suite 415
 Midland, Texas 79701

NOTES:

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

DRAWING NUMBER:
FIGURE 3

SHEET NUMBER:
1 of 1



APPENDIX A

CARMONA RESOURCES



Table 1
COG
Diamondback 22 State Com 004H (06.17.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	7/21/2022	0-1'	<50.0	172	<50.0	172	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	18,100
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,910
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14,100
	"	2.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	14,500
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14,400
	"	3.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14,100
	"	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13,800
	"	4.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	12,900
S-2	7/21/2022	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	672
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	701
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	728
	"	2.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	772
S-3	7/21/2022	0-0.25'	<50.0	75.0	<50.0	75.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	337
S-4	7/21/2022	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	778
H-1	7/21/2022	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	17.0
H-2	7/21/2022	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.42
H-3	7/21/2022	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.3
H-4	7/21/2022	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.4
H-5	7/21/2022	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.63
H-6	7/21/2022	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	14.4
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

Removed

Table 2
COG
Diamondback 22 State Com 004H (06.17.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	12/14/2022	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-2	12/14/2022	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-3	12/14/2022	8.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-4	12/14/2022	8.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-5	12/14/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-6	12/14/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-1	12/14/2022	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-2	12/14/2022	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	12/14/2022	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	12/14/2022	8.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-5	12/14/2022	8.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-6	12/14/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-7	12/14/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-8	12/14/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-9	12/14/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-10	12/14/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Regulatory Criteria ^A			100 mg/kg				10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft - feet

(CS) - Confirmation Sample

(SW) - Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Diamondback 22 State Com 004H
(06.17.22)

County: Eddy County, New Mexico

Description:

View South, areas of sample points (1-3).



Photograph No. 2

Facility: Diamondback 22 State Com 004H
(06.17.22)

County: Eddy County, New Mexico

Description:

View North, areas of sample points (3-4).



Photograph No. 3

Facility: Diamondback 22 State Com 004H
(06.17.22)

County: Eddy County, New Mexico

Description:

View South, areas of sample points (5-6).



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: 1/12/2023 1:01:06 PM

Page 19 of 103

Facility Name & Number:	Diamondback 22-2H
Asset Area:	Carlsbad 1 West - Delaware Basin West
Release Discovery Date & Time:	4pm, June 17, 2022
Release Type:	Produced Water
Provide any known details about the event:	Flow line popped

Spill Calculation - Subsurface Spill - Cylinder

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 cylinders	Diameter (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Radius (ft.)	Estimated Wet Area (sq. ft.)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)
Cylinder A	20.0	2.00		10.000	314.159	9.320	0.000
Cylinder B	5.0	2.00		2.500	19.635	0.583	0.000
Cylinder C	10.0	2.00		5.000	78.540	2.330	0.000
Cylinder D				0.000	0.000	0.000	0.000
Cylinder E				0.000	0.000	0.000	0.000
Cylinder F				0.000	0.000	0.000	0.000
Cylinder G				0.000	0.000	0.000	0.000
Cylinder H				0.000	0.000	0.000	0.000
Cylinder I				0.000	0.000	0.000	0.000
Cylinder J				0.000	0.000	0.000	0.000
Total Volume Release:						0.000	0.000

Released to Imaging: 1/27/2023 12:52:58 PM

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: Jacques Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 01/12/2023

Incident ID	nAPP2218936989
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: Jacques Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 01/12/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: _____

Printed Name: _____ Title: _____

From: Mike Carmona
Sent: Friday, December 9, 2022 8:44 AM
To: NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov)
Cc: Conner Moehring; Harris, Jacqui
Subject: Diamondback 22 State Com 004H (06.17.22) Incident # napp2218936989 Sampling Notification

Good Morning,

On behalf of COG, Carmona Resources will collect confirmation samples for the remediation at the below-referenced site on 12/13/22 around 8:00 a.m. Mountain Time. Please let me know if you have any questions.

Diamondback 22 State Com 004H (06.17.22)
Incident # napp2218936989
Eddy County, New Mexico
Unit D Sec 22 T26S R28E
32.032412°, -104.080534°

Mike J. Carmona
310 West Wall Street, Suite 415
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com

CARMONA RESOURCES



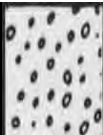
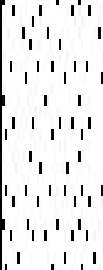
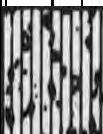
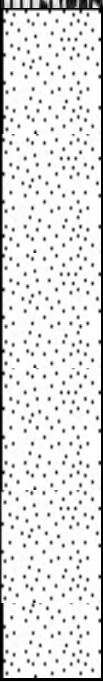
APPENDIX D

CARMONA RESOURCES



--	--

Project Name :	<u>Diamondback 22 State 2H(08.30.2021)</u>	Date :	<u>November 16, 2021</u>
Project No. :	<u>214634</u>	Sampler :	<u>Clint Merritt</u>
Location :	<u>Eddy Co, New Mexico</u>	Driller :	<u>Scarborough Drilling</u>
Coordinates :	<u>32.03314°, -104.08201°</u>	Method :	<u>Air Rotary</u>
Elevation :	<u>2,991'</u>		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Yellowish Orange/White well graded gravel with <50% coarse sand and caliche (GW). Dry		50		(50') - Light brown soft clay with <50% fine loose sand (CL). Dry	
5		(5') - Light reddish brown loose, medium sand with <50% fine well cemented gravel (SW). Dry		55			
10		(10') - Light reddish brown/ white loose fine sand with <25% fine well cemented gravel (SW). Dry		60		(59') - Light brown soft clay with 50% fine loose sand (CL). Moist	
15				65			
20		(20') - Light brown loose fine sand with <25% fine poorly cemented gravel and trace gypsum (SM). Dry		70			
25		(25') - White fine very loose sand with 100% gypsum (ML). Dry		75			
30				80			
35				85			
40				90			
45				95			
50				100			

Comments : Total Depth 59' bgs
Drilling Terminated @ 14:00 CT No groundwater present

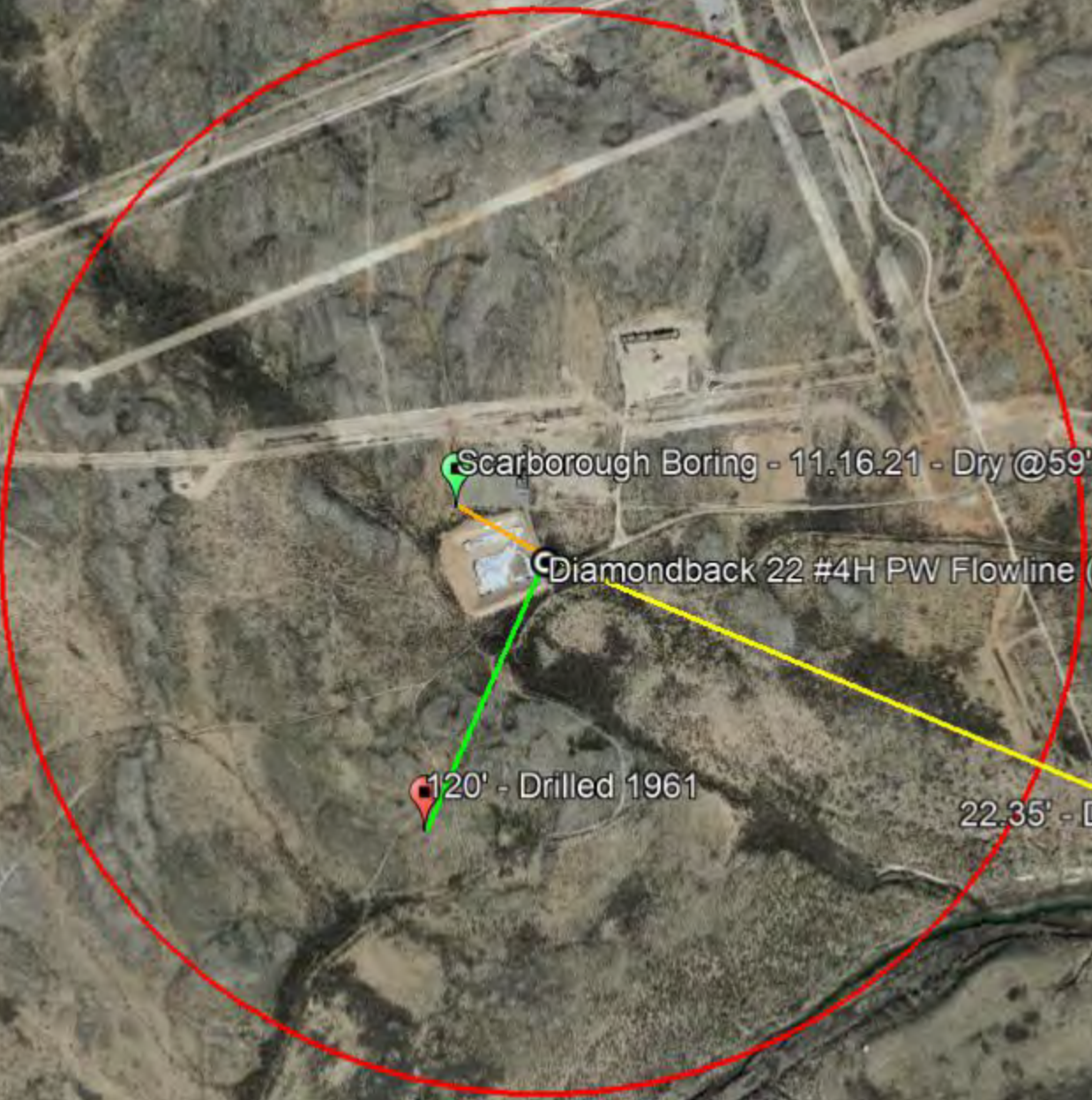
On 11/19/2021 No groundwater present

NEAREST WATER WELL

COG OPERATING

Legend

- 0.10 Miles
- 0.28 Miles
- 0.50 Mile Radius
- 0.58 Miles
- Diamondback 22 #4H PW Flowline (06.17.22)
- NMSEO Water Well
- Scarborough Soil Boring
- USGS Water Well



High Karst

COG OPERATING

Legend

-  Diamondback 22 State Com 004H (04.11.22)
-  High
-  Medium

 Diamondback 22 State Com 004H (04.11.22)

US Hwy 285



1 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01668		CUB	ED	3	3	12	26S	28E		589957	3546554*	250	100	150
C 02160		CUB	ED	4	1	2	14	26S	28E	589243	3546044*	300	120	180
C 02160 S		CUB	ED	1	1	2	14	26S	28E	589043	3546244*	300	120	180
C 02160 S2		CUB	ED	1	1	2	14	26S	28E	589043	3546244*	300	120	180
C 02160 S3		CUB	ED	2	2	1	14	26S	28E	588834	3546241*	300	120	180
C 02160 S4		CUB	ED	2	2	1	14	26S	28E	588834	3546241*	300	120	180
C 02160 S5		CUB	ED	1	1	1	14	26S	28E	588225	3546237*	300	120	180
C 02160 S6		CUB	ED	3	3	1	14	26S	28E	588232	3545635*	300	120	180
C 02160 S7		CUB	ED	3	3	1	22	26S	28E	586638	3543998*	300	120	180
C 02160 S8		CUB	ED	2	3	3	12	26S	28E	590056	3546653*	200	120	80
C 02160 S9		CUB	ED	3	3	2	02	26S	28E	589020	3548868*	300	120	180
C 02477		CUB	ED	1	1	03	26S	28E		586687	3549347*	150		
C 02478		CUB	ED	2	1	05	26S	28E		583848	3549325*	100		
C 02479		CUB	ED	4	4	10	26S	28E		587909	3546534*	200		
C 02480		CUB	ED	4	4	10	26S	28E		587909	3546534*	150		
C 02481		CUB	ED	1	1	14	26S	28E		588326	3546138*	200		
C 02894		C	ED	2	2	3	12	26S	28E	590458	3547061*	240		
C 02924		C	ED	1	3	2	11	26S	28E	589032	3547451*			
C 04022 POD1		CUB	ED	4	4	2	15	26S	28E	588082	3545647	220	175	45
C 04022 POD2		CUB	ED	2	2	2	27	26S	28E	588106	3543082	250	145	105
C 04466 POD1		CUB	ED	3	3	2	29	26S	28E	584327	3542357	96	33	63

*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.

5/8/22 5:50 PM

Page 1 of 2

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Average Depth to Water: **118 feet**

Minimum Depth: **33 feet**

Maximum Depth: **175 feet**

Record Count: 21

PLSS Search:

Township: 26S

Range: 28E



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)						X	Y
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng		
C	02160 S7	3	3	1	22	26S	28E	586638	3543998*
Driller License:		Driller Company:							
Driller Name:		HEMLER							
Drill Start Date:		Drill Finish Date:		01/01/1961		Plug Date:			
Log File Date:		PCW Rev Date:				Source: Shallow			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:		Depth Well:		300 feet		Depth Water: 120 feet			

*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.

5/8/22 5:51 PM

POINT OF DIVERSION SUMMARY



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [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 of measurement
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
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static

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

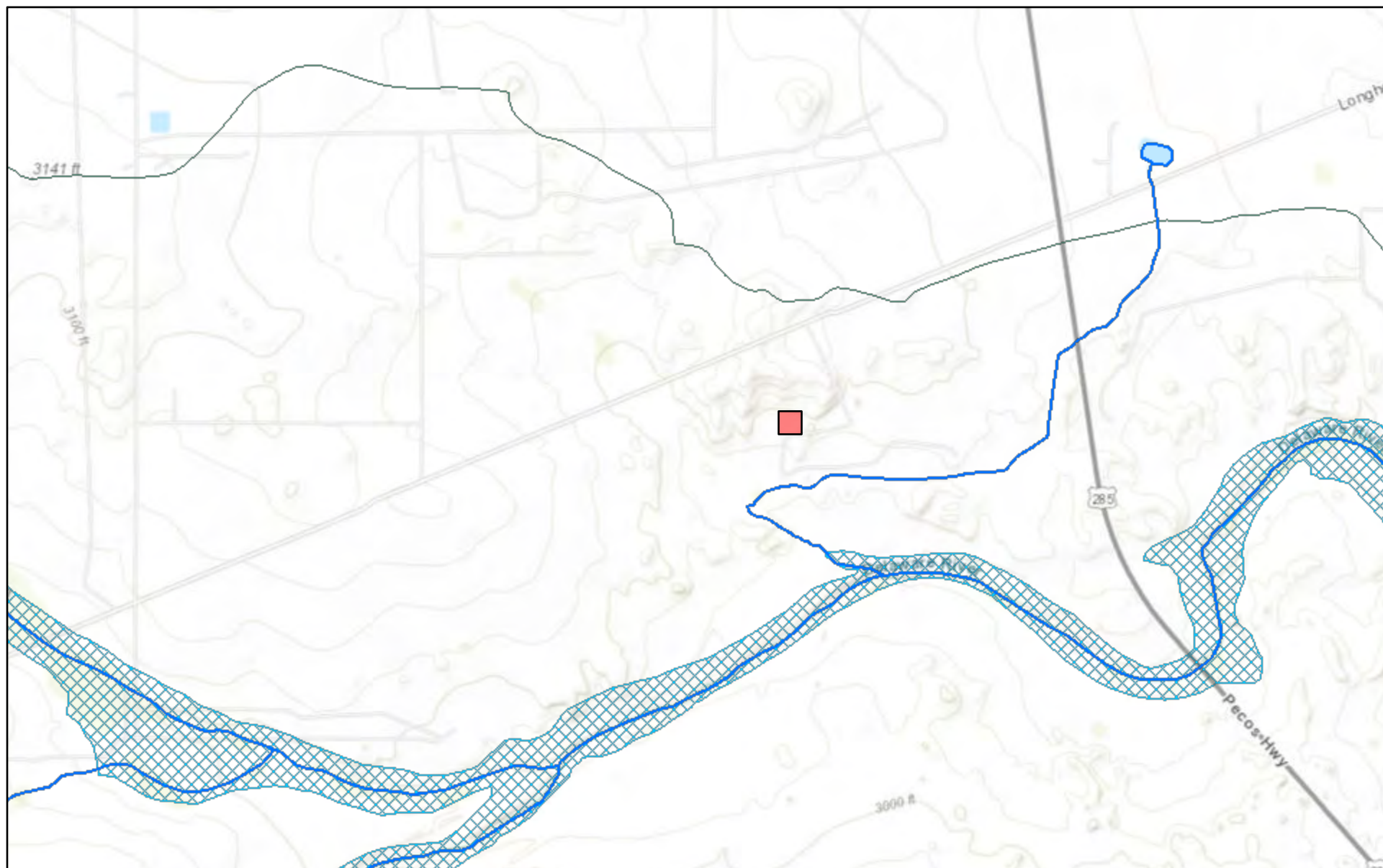
- [Questions about sites/data?](#)
- [Feedback on this web site](#)
- [Automated retrievals](#)
- [Help](#)
- [Data Tips](#)
- [Explanation of terms](#)
- [Subscribe for system changes](#)
- [News](#)

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

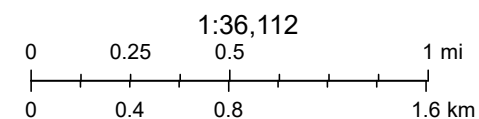


Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2022-05-08 19:52:11 EDT
0.27 0.24 nadww02

New Mexico NFHL Data



May 8, 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: 880-17263-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Diamondback 22 #4H (06.17.22)
Revision: 1

For:

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

Attn: Conner Moehring

Authorized for release by:
7/29/2022 11:25:35 AM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project
results through



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: Diamondback 22 #4H (06.17.22)

Laboratory Job ID: 880-17263-1
SDG: Eddy Co, NM

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	20
QC Sample Results	22
QC Association Summary	30
Lab Chronicle	36
Certification Summary	43
Method Summary	44
Sample Summary	45
Chain of Custody	46
Receipt Checklists	48

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Job ID: 880-17263-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-17263-1**REVISION

The report being provided is a revision of the original report sent on 7/27/2022. The report (revision 1) is being revised due to Per client phone call, corrected sample IDs to match COC.

Report revision history

Receipt

The samples were received on 7/22/2022 10:05 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 0.6°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (0-1') (880-17263-1). 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 and precision for preparation batch 880-30709 and analytical batch 880-30747 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-30794 and analytical batch 880-30747 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-30588 and analytical batch 880-30510 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.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-30402 and analytical batch 880-30489 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision 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: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17263-1

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/22/22 14:50	07/26/22 11:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/22 14:50	07/26/22 11:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/22 14:50	07/26/22 11:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/22 14:50	07/26/22 11:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/22 14:50	07/26/22 11:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/22 14:50	07/26/22 11:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	58	S1-	70 - 130	07/22/22 14:50	07/26/22 11:37	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/22/22 14:50	07/26/22 11:37	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			07/26/22 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	172		50.0		mg/Kg			07/26/22 08:53	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		07/25/22 12:05	07/25/22 21:51	1
Diesel Range Organics (Over C10-C28)	172	F1	50.0		mg/Kg		07/25/22 12:05	07/25/22 21:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/25/22 21:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	07/25/22 12:05	07/25/22 21:51	1
o-Terphenyl	106		70 - 130	07/25/22 12:05	07/25/22 21:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18100		249		mg/Kg			07/25/22 10:37	50

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17263-2

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/22/22 14:50	07/26/22 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 11:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 11:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/22 14:50	07/26/22 11:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 11:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/22 14:50	07/26/22 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/22/22 14:50	07/26/22 11:58	1
1,4-Difluorobenzene (Surr)	114		70 - 130	07/22/22 14:50	07/26/22 11:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17263-2

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/25/22 22:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/25/22 22:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/25/22 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/25/22 12:05	07/25/22 22:56	1
o-Terphenyl	103		70 - 130				07/25/22 12:05	07/25/22 22:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6910		49.6		mg/Kg			07/25/22 12:10	10

Client Sample ID: S-1 (2.0')

Lab Sample ID: 880-17263-3

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/22/22 14:50	07/26/22 12:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/22 14:50	07/26/22 12:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/22 14:50	07/26/22 12:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/22 14:50	07/26/22 12:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/22 14:50	07/26/22 12:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/22 14:50	07/26/22 12:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				07/22/22 14:50	07/26/22 12:18	1
1,4-Difluorobenzene (Surr)	115		70 - 130				07/22/22 14:50	07/26/22 12:18	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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/25/22 23:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/25/22 23:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (2.0')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-3

Matrix: Solid

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		07/25/22 12:05	07/25/22 23:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/25/22 12:05	07/25/22 23:17	1
o-Terphenyl	123		70 - 130				07/25/22 12:05	07/25/22 23:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14100		100		mg/Kg			07/25/22 12:19	20

Client Sample ID: S-1 (2.5')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-4

Matrix: Solid

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		07/22/22 14:50	07/26/22 12:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 12:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 12:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/22/22 14:50	07/26/22 12:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 12:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/22/22 14:50	07/26/22 12:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				07/22/22 14:50	07/26/22 12:39	1
1,4-Difluorobenzene (Surr)	107		70 - 130				07/22/22 14:50	07/26/22 12:39	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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/25/22 23:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/25/22 23:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/25/22 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				07/25/22 12:05	07/25/22 23:39	1
o-Terphenyl	129		70 - 130				07/25/22 12:05	07/25/22 23:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14500		101		mg/Kg			07/25/22 12:28	20

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (3.0')

Lab Sample ID: 880-17263-5

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/22/22 14:50	07/26/22 13:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 13:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 13:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/22 14:50	07/26/22 13:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 13:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/22 14:50	07/26/22 13:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/22/22 14:50	07/26/22 13:00	1
1,4-Difluorobenzene (Surr)	121		70 - 130	07/22/22 14:50	07/26/22 13:00	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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 00:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 00:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 00:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	07/25/22 12:05	07/26/22 00:00	1
o-Terphenyl	103		70 - 130	07/25/22 12:05	07/26/22 00:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14400		101		mg/Kg			07/25/22 12:37	20

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-17263-6

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/22/22 14:50	07/26/22 13:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/22 14:50	07/26/22 13:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/22 14:50	07/26/22 13:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/22 14:50	07/26/22 13:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/22 14:50	07/26/22 13:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/22 14:50	07/26/22 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/22/22 14:50	07/26/22 13:21	1
1,4-Difluorobenzene (Surr)	120		70 - 130	07/22/22 14:50	07/26/22 13:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-17263-6

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 00:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 00:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/25/22 12:05	07/26/22 00:21	1
o-Terphenyl	101		70 - 130				07/25/22 12:05	07/26/22 00:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14100		100		mg/Kg			07/25/22 12:47	20

Client Sample ID: S-1 (4.0')

Lab Sample ID: 880-17263-7

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/22/22 14:50	07/26/22 13:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/22 14:50	07/26/22 13:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/22 14:50	07/26/22 13:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/22 14:50	07/26/22 13:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/22 14:50	07/26/22 13:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/22 14:50	07/26/22 13:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/22/22 14:50	07/26/22 13:41	1
1,4-Difluorobenzene (Surr)	116		70 - 130				07/22/22 14:50	07/26/22 13:41	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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 00:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 00:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (4.0')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 00:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/25/22 12:05	07/26/22 00:42	1
o-Terphenyl	111		70 - 130				07/25/22 12:05	07/26/22 00:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13800		99.4		mg/Kg			07/25/22 12:56	20

Client Sample ID: S-1 (4.5')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-8

Matrix: Solid

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		07/22/22 14:50	07/26/22 14:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/22/22 14:50	07/26/22 14:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/22/22 14:50	07/26/22 14:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/22/22 14:50	07/26/22 14:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/22/22 14:50	07/26/22 14:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/22/22 14:50	07/26/22 14:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/22/22 14:50	07/26/22 14:02	1
1,4-Difluorobenzene (Surr)	127		70 - 130				07/22/22 14:50	07/26/22 14:02	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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 01:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 01:03	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 01:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/25/22 12:05	07/26/22 01:03	1
o-Terphenyl	109		70 - 130				07/25/22 12:05	07/26/22 01:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12900		100		mg/Kg			07/25/22 13:05	20

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17263-9

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/22/22 14:50	07/26/22 14:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/22 14:50	07/26/22 14:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/22 14:50	07/26/22 14:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/22 14:50	07/26/22 14:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/22 14:50	07/26/22 14:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/22 14:50	07/26/22 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	07/22/22 14:50	07/26/22 14:23	1
1,4-Difluorobenzene (Surr)	108		70 - 130	07/22/22 14:50	07/26/22 14:23	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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 01:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/26/22 01:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/26/22 01:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	07/25/22 12:05	07/26/22 01:24	1
o-Terphenyl	112		70 - 130	07/25/22 12:05	07/26/22 01:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	672		4.98		mg/Kg			07/25/22 08:56	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17263-10

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/22/22 14:50	07/26/22 14:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 14:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 14:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/22 14:50	07/26/22 14:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 14:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/22 14:50	07/26/22 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/22/22 14:50	07/26/22 14:44	1
1,4-Difluorobenzene (Surr)	119		70 - 130	07/22/22 14:50	07/26/22 14:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17263-10

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 01:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/26/22 01:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/26/22 01:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/25/22 12:05	07/26/22 01:45	1
o-Terphenyl	101		70 - 130				07/25/22 12:05	07/26/22 01:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	701		4.96		mg/Kg			07/25/22 09:20	1

Client Sample ID: S-2 (2.0')

Lab Sample ID: 880-17263-11

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/22/22 14:50	07/26/22 16:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/22 14:50	07/26/22 16:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/22 14:50	07/26/22 16:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/22 14:50	07/26/22 16:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/22 14:50	07/26/22 16:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/22 14:50	07/26/22 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				07/22/22 14:50	07/26/22 16:43	1
1,4-Difluorobenzene (Surr)	107		70 - 130				07/22/22 14:50	07/26/22 16:43	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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 02:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 02:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (2.0')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/25/22 12:05	07/26/22 02:27	1
o-Terphenyl	100		70 - 130				07/25/22 12:05	07/26/22 02:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	728		5.01		mg/Kg			07/25/22 09:27	1

Client Sample ID: S-2 (2.5')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-12

Matrix: Solid

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		07/22/22 14:50	07/26/22 17:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/22 14:50	07/26/22 17:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/22 14:50	07/26/22 17:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/22 14:50	07/26/22 17:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/22 14:50	07/26/22 17:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/22 14:50	07/26/22 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				07/22/22 14:50	07/26/22 17:03	1
1,4-Difluorobenzene (Surr)	109		70 - 130				07/22/22 14:50	07/26/22 17:03	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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 02:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 02:48	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/25/22 12:05	07/26/22 02:48	1
o-Terphenyl	112		70 - 130				07/25/22 12:05	07/26/22 02:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	772		5.05		mg/Kg			07/25/22 09:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17263-13

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/22/22 14:50	07/26/22 17:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/22/22 14:50	07/26/22 17:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/22/22 14:50	07/26/22 17:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/22/22 14:50	07/26/22 17:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/22/22 14:50	07/26/22 17:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/22/22 14:50	07/26/22 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/22/22 14:50	07/26/22 17:24	1
1,4-Difluorobenzene (Surr)	109		70 - 130	07/22/22 14:50	07/26/22 17:24	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			07/26/22 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	75.0		50.0		mg/Kg			07/26/22 08:53	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		07/25/22 12:05	07/26/22 03:09	1
Diesel Range Organics (Over C10-C28)	75.0		50.0		mg/Kg		07/25/22 12:05	07/26/22 03:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/26/22 03:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	07/25/22 12:05	07/26/22 03:09	1
o-Terphenyl	114		70 - 130	07/25/22 12:05	07/26/22 03:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	337		5.02		mg/Kg			07/25/22 09:43	1

Client Sample ID: S-4 (0-3")

Lab Sample ID: 880-17263-14

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/22/22 14:50	07/26/22 17:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/22 14:50	07/26/22 17:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/22 14:50	07/26/22 17:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/22 14:50	07/26/22 17:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/22 14:50	07/26/22 17:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/22 14:50	07/26/22 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/22/22 14:50	07/26/22 17:45	1
1,4-Difluorobenzene (Surr)	115		70 - 130	07/22/22 14:50	07/26/22 17:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (0-3")

Lab Sample ID: 880-17263-14

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 03:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/26/22 03:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/26/22 03:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/25/22 12:05	07/26/22 03:31	1
o-Terphenyl	109		70 - 130				07/25/22 12:05	07/26/22 03:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	778		5.00		mg/Kg			07/25/22 09:51	1

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

Lab Sample ID: 880-17263-15

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/27/22 10:00	07/27/22 17:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/27/22 10:00	07/27/22 17:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/27/22 10:00	07/27/22 17:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/27/22 10:00	07/27/22 17:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/27/22 10:00	07/27/22 17:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/27/22 10:00	07/27/22 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				07/27/22 10:00	07/27/22 17:40	1
1,4-Difluorobenzene (Surr)	83		70 - 130				07/27/22 10:00	07/27/22 17:40	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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 03:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 03:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17263-15

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/25/22 12:05	07/26/22 03:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/25/22 12:05	07/26/22 03:52	1
o-Terphenyl	100		70 - 130				07/25/22 12:05	07/26/22 03:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.0		5.00		mg/Kg			07/25/22 09:59	1

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

Lab Sample ID: 880-17263-16

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/27/22 10:00	07/27/22 11:16	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		07/27/22 10:00	07/27/22 11:16	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		07/27/22 10:00	07/27/22 11:16	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398		mg/Kg		07/27/22 10:00	07/27/22 11:16	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		07/27/22 10:00	07/27/22 11:16	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		07/27/22 10:00	07/27/22 11:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/27/22 10:00	07/27/22 11:16	1
1,4-Difluorobenzene (Surr)	87		70 - 130				07/27/22 10:00	07/27/22 11:16	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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 04:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/26/22 04:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/26/22 04:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/25/22 12:05	07/26/22 04:13	1
o-Terphenyl	107		70 - 130				07/25/22 12:05	07/26/22 04:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.42		5.03		mg/Kg			07/25/22 10:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17263-17

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/27/22 10:00	07/27/22 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/27/22 10:00	07/27/22 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/27/22 10:00	07/27/22 11:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/27/22 10:00	07/27/22 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/27/22 10:00	07/27/22 11:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/27/22 10:00	07/27/22 11:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/27/22 10:00	07/27/22 11:37	1
1,4-Difluorobenzene (Surr)	81		70 - 130	07/27/22 10:00	07/27/22 11:37	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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 04:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 04:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 12:05	07/26/22 04:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	07/25/22 12:05	07/26/22 04:34	1
o-Terphenyl	118		70 - 130	07/25/22 12:05	07/26/22 04:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3		4.97		mg/Kg			07/25/22 10:30	1

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

Lab Sample ID: 880-17263-18

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/27/22 10:00	07/27/22 15:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/27/22 10:00	07/27/22 15:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/27/22 10:00	07/27/22 15:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/27/22 10:00	07/27/22 15:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/27/22 10:00	07/27/22 15:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/27/22 10:00	07/27/22 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/27/22 10:00	07/27/22 15:44	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/27/22 10:00	07/27/22 15:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17263-18

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 04:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/25/22 12:05	07/26/22 04:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/25/22 12:05	07/26/22 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				07/25/22 12:05	07/26/22 04:55	1
o-Terphenyl	117		70 - 130				07/25/22 12:05	07/26/22 04:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.4		4.96		mg/Kg			07/25/22 10:54	1

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

Lab Sample ID: 880-17263-19

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/27/22 10:00	07/27/22 16:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/27/22 10:00	07/27/22 16:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/27/22 10:00	07/27/22 16:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/27/22 10:00	07/27/22 16:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/27/22 10:00	07/27/22 16:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/27/22 10:00	07/27/22 16:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/27/22 10:00	07/27/22 16:59	1
1,4-Difluorobenzene (Surr)	87		70 - 130				07/27/22 10:00	07/27/22 16:59	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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 05:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/26/22 05:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17263-19

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/25/22 12:05	07/26/22 05:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/25/22 12:05	07/26/22 05:16	1
o-Terphenyl	104		70 - 130				07/25/22 12:05	07/26/22 05:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.63		4.96		mg/Kg			07/25/22 11:01	1

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

Lab Sample ID: 880-17263-20

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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		07/27/22 10:00	07/27/22 17:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/27/22 10:00	07/27/22 17:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/27/22 10:00	07/27/22 17:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/27/22 10:00	07/27/22 17:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/27/22 10:00	07/27/22 17:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/27/22 10:00	07/27/22 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				07/27/22 10:00	07/27/22 17:20	1
1,4-Difluorobenzene (Surr)	83		70 - 130				07/27/22 10:00	07/27/22 17:20	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			07/26/22 16:25	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			07/26/22 08:53	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		07/25/22 12:05	07/26/22 05:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/25/22 12:05	07/26/22 05:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/25/22 12:05	07/26/22 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				07/25/22 12:05	07/26/22 05:37	1
o-Terphenyl	100		70 - 130				07/25/22 12:05	07/26/22 05:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.4		5.00		mg/Kg			07/25/22 11:09	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
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)
880-17263-1	S-1 (0-1')	58 S1-	97
880-17263-1 MS	S-1 (0-1')	110	112
880-17263-1 MSD	S-1 (0-1')	94	112
880-17263-2	S-1 (1.5')	103	114
880-17263-3	S-1 (2.0')	91	115
880-17263-4	S-1 (2.5')	120	107
880-17263-5	S-1 (3.0')	106	121
880-17263-6	S-1 (3.5')	117	120
880-17263-7	S-1 (4.0')	113	116
880-17263-8	S-1 (4.5')	110	127
880-17263-9	S-2 (0-1')	91	108
880-17263-10	S-2 (1.5')	97	119
880-17263-11	S-2 (2.0')	103	107
880-17263-12	S-2 (2.5')	89	109
880-17263-13	S-3 (0-3")	100	109
880-17263-14	S-4 (0-3")	101	115
880-17263-15	H-1 (0-0.5')	108	83
880-17263-16	H-2 (0-0.5')	113	87
880-17263-16 MS	H-2 (0-0.5')	114	86
880-17263-16 MSD	H-2 (0-0.5')	115	94
880-17263-17	H-3 (0-0.5')	111	81
880-17263-18	H-4 (0-0.5')	114	88
880-17263-19	H-5 (0-0.5')	111	87
880-17263-20	H-6 (0-0.5')	117	83
880-17398-A-6-B MS	Matrix Spike	104	92
880-17398-A-6-C MSD	Matrix Spike Duplicate	110	81
LCS 880-30423/1-A	Lab Control Sample	99	111
LCS 880-30709/1-A	Lab Control Sample	110	99
LCS 880-30794/1-A	Lab Control Sample	110	96
LCSD 880-30423/2-A	Lab Control Sample Dup	92	118
LCSD 880-30709/2-A	Lab Control Sample Dup	104	95
LCSD 880-30794/2-A	Lab Control Sample Dup	108	100
MB 880-30423/5-A	Method Blank	84	109
MB 880-30709/5-A	Method Blank	101	84
MB 880-30794/5-A	Method Blank	101	85

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	OTPH1
		(70-130)	(70-130)
880-17263-1	S-1 (0-1')	99	106
880-17263-1 MS	S-1 (0-1')	86	91
880-17263-1 MSD	S-1 (0-1')	88	94
880-17263-2	S-1 (1.5')	96	103

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Surrogate Summary

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
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)
880-17263-3	S-1 (2.0')	115	123
880-17263-4	S-1 (2.5')	119	129
880-17263-5	S-1 (3.0')	98	103
880-17263-6	S-1 (3.5')	97	101
880-17263-7	S-1 (4.0')	105	111
880-17263-8	S-1 (4.5')	105	109
880-17263-9	S-2 (0-1')	107	112
880-17263-10	S-2 (1.5')	96	101
880-17263-11	S-2 (2.0')	95	100
880-17263-12	S-2 (2.5')	101	112
880-17263-13	S-3 (0-3")	112	114
880-17263-14	S-4 (0-3")	100	109
880-17263-15	H-1 (0-0.5')	97	100
880-17263-16	H-2 (0-0.5')	100	107
880-17263-17	H-3 (0-0.5')	110	118
880-17263-18	H-4 (0-0.5')	107	117
880-17263-19	H-5 (0-0.5')	96	104
880-17263-20	H-6 (0-0.5')	93	100
LCS 880-30588/2-A	Lab Control Sample	111	118
LCSD 880-30588/3-A	Lab Control Sample Dup	101	110
MB 880-30588/1-A	Method Blank	106	112

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30423/5-A

Matrix: Solid

Analysis Batch: 30607

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/22 14:50	07/26/22 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 14:50	07/26/22 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/22 14:50	07/26/22 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	07/22/22 14:50	07/26/22 11:15	1
1,4-Difluorobenzene (Surr)	109		70 - 130	07/22/22 14:50	07/26/22 11:15	1

Lab Sample ID: LCS 880-30423/1-A

Matrix: Solid

Analysis Batch: 30607

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09612		mg/Kg		96	70 - 130
Toluene	0.100	0.1041		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1133		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2334		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1149		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-30423/2-A

Matrix: Solid

Analysis Batch: 30607

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30423

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1020		mg/Kg		102	70 - 130	6	35
Toluene	0.100	0.1065		mg/Kg		106	70 - 130	2	35
Ethylbenzene	0.100	0.1110		mg/Kg		111	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2246		mg/Kg		112	70 - 130	4	35
o-Xylene	0.100	0.1100		mg/Kg		110	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: 880-17263-1 MS

Matrix: Solid

Analysis Batch: 30607

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

Prep Type: Total/NA

Prep Batch: 30423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.1001		mg/Kg		100	70 - 130
Toluene	<0.00201	U	0.0998	0.1009		mg/Kg		101	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17263-1 MS

Matrix: Solid

Analysis Batch: 30607

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

Prep Type: Total/NA

Prep Batch: 30423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.0998	0.1045		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2219		mg/Kg		111	70 - 130
o-Xylene	<0.00201	U	0.0998	0.1086		mg/Kg		109	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-17263-1 MSD

Matrix: Solid

Analysis Batch: 30607

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

Prep Type: Total/NA

Prep Batch: 30423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1061		mg/Kg		105	70 - 130	6	35
Toluene	<0.00201	U	0.100	0.1094		mg/Kg		109	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.100	0.1069		mg/Kg		106	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.201	0.2204		mg/Kg		110	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.1061		mg/Kg		106	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-30709/5-A

Matrix: Solid

Analysis Batch: 30747

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30709

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/27/22 08:00	07/27/22 10:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/27/22 08:00	07/27/22 10:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/27/22 08:00	07/27/22 10:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/27/22 08:00	07/27/22 10:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/27/22 08:00	07/27/22 10:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/27/22 08:00	07/27/22 10:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/27/22 08:00	07/27/22 10:54	1
1,4-Difluorobenzene (Surr)	84		70 - 130	07/27/22 08:00	07/27/22 10:54	1

Lab Sample ID: LCS 880-30709/1-A

Matrix: Solid

Analysis Batch: 30747

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09414		mg/Kg		94	70 - 130
Toluene	0.100	0.09289		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09941		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1985		mg/Kg		99	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-30709/1-A

Matrix: Solid

Analysis Batch: 30747

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-30709/2-A

Matrix: Solid

Analysis Batch: 30747

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30709

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09253		mg/Kg		93	70 - 130	2	35
Toluene	0.100	0.09148		mg/Kg		91	70 - 130	2	35
Ethylbenzene	0.100	0.09626		mg/Kg		96	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1928		mg/Kg		96	70 - 130	3	35
o-Xylene	0.100	0.1052		mg/Kg		105	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-17263-16 MS

Matrix: Solid

Analysis Batch: 30747

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

Prep Type: Total/NA

Prep Batch: 30709

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.0998	0.03151	F1	mg/Kg		32	70 - 130
Toluene	<0.00199	U F1	0.0998	0.03037	F1	mg/Kg		30	70 - 130
Ethylbenzene	<0.00199	U F1	0.0998	0.02646	F1	mg/Kg		27	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.03952	F1	mg/Kg		20	70 - 130
o-Xylene	<0.00199	U F1	0.0998	0.02829	F1	mg/Kg		28	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-17263-16 MSD

Matrix: Solid

Analysis Batch: 30747

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

Prep Type: Total/NA

Prep Batch: 30709

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U F1	0.0994	0.03891	F1	mg/Kg		39	70 - 130	21	35
Toluene	<0.00199	U F1	0.0994	0.03672	F1	mg/Kg		37	70 - 130	19	35
Ethylbenzene	<0.00199	U F1	0.0994	0.03381	F1	mg/Kg		34	70 - 130	24	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.199	0.06725	F2 F1	mg/Kg		34	70 - 130	52	35
o-Xylene	<0.00199	U F1	0.0994	0.03668	F1	mg/Kg		37	70 - 130	26	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17263-16 MSD

Matrix: Solid

Analysis Batch: 30747

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

Prep Type: Total/NA

Prep Batch: 30709

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: MB 880-30794/5-A

Matrix: Solid

Analysis Batch: 30747

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30794

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/27/22 10:46	07/27/22 22:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/27/22 10:46	07/27/22 22:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/27/22 10:46	07/27/22 22:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/27/22 10:46	07/27/22 22:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/27/22 10:46	07/27/22 22:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/27/22 10:46	07/27/22 22:26	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	101		70 - 130	07/27/22 10:46	07/27/22 22:26	1			
1,4-Difluorobenzene (Surr)	85		70 - 130	07/27/22 10:46	07/27/22 22:26	1			

Lab Sample ID: LCS 880-30794/1-A

Matrix: Solid

Analysis Batch: 30747

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30794

Analyte	Spike	LCS	LCS						
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	
Benzene	0.100	0.1065		mg/Kg		106		70 - 130	
Toluene	0.100	0.1032		mg/Kg		103		70 - 130	
Ethylbenzene	0.100	0.1118		mg/Kg		112		70 - 130	
m-Xylene & p-Xylene	0.200	0.2205		mg/Kg		110		70 - 130	
o-Xylene	0.100	0.1207		mg/Kg		121		70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-30794/2-A

Matrix: Solid

Analysis Batch: 30747

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30794

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09745		mg/Kg		97		70 - 130	9	35
Toluene	0.100	0.09551		mg/Kg		96		70 - 130	8	35
Ethylbenzene	0.100	0.1022		mg/Kg		102		70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2042		mg/Kg		102		70 - 130	8	35
o-Xylene	0.100	0.1114		mg/Kg		111		70 - 130	8	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-30794/2-A

Matrix: Solid

Analysis Batch: 30747

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30794

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

Lab Sample ID: 880-17398-A-6-B MS

Matrix: Solid

Analysis Batch: 30747

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 30794

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1 F2	0.0998	0.07662		mg/Kg		77	70 - 130
Toluene	<0.00200	U F1	0.0998	0.07679		mg/Kg		77	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.07750		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1584		mg/Kg		79	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.08494		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-17398-A-6-C MSD

Matrix: Solid

Analysis Batch: 30747

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 30794

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U F1 F2	0.0994	0.04887	F1 F2	mg/Kg		49	70 - 130	44	35
Toluene	<0.00200	U F1	0.0994	0.05519	F1	mg/Kg		56	70 - 130	33	35
Ethylbenzene	<0.00200	U F1	0.0994	0.06096	F1	mg/Kg		61	70 - 130	24	35
m-Xylene & p-Xylene	<0.00399	U F1	0.199	0.1228	F1	mg/Kg		62	70 - 130	25	35
o-Xylene	<0.00200	U F1	0.0994	0.06789	F1	mg/Kg		68	70 - 130	22	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

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

Lab Sample ID: MB 880-30588/1-A

Matrix: Solid

Analysis Batch: 30510

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30588

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		07/25/22 12:05	07/25/22 20:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/25/22 20:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 12:05	07/25/22 20:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	07/25/22 12:05	07/25/22 20:46	1
o-Terphenyl	112		70 - 130	07/25/22 12:05	07/25/22 20:46	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-30588/2-A

Matrix: Solid

Analysis Batch: 30510

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30588

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	980.4		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	990.8		mg/Kg		99	70 - 130		
				</							

Lab Sample ID: LCSD 880-30588/3-A

Matrix: Solid

Analysis Batch: 30510

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30588

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1129		mg/Kg		113	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	950.2		mg/Kg		95	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	101		70 - 130								
o-Terphenyl	110		70 - 130								

Lab Sample ID: 880-17263-1 MS

Matrix: Solid

Analysis Batch: 30510

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

Prep Type: Total/NA

Prep Batch: 30588

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1038		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)	172	F1	1000	800.0	F1	mg/Kg		63	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	91		70 - 130								

Lab Sample ID: 880-17263-1 MSD

Matrix: Solid

Analysis Batch: 30510

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

Prep Type: Total/NA

Prep Batch: 30588

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	902.6		mg/Kg		90	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	172	F1	999	831.4	F1	mg/Kg		66	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	88		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17263-1 MSD

Matrix: Solid

Analysis Batch: 30510

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

Prep Type: Total/NA

Prep Batch: 30588

Surrogate	%Recovery	MSD Qualifier	MSD Limits
o-Terphenyl	94		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30402/1-A

Matrix: Solid

Analysis Batch: 30489

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			07/25/22 07:24	1

Lab Sample ID: LCS 880-30402/2-A

Matrix: Solid

Analysis Batch: 30489

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	270.4		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-30402/3-A

Matrix: Solid

Analysis Batch: 30489

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	264.5		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 880-17262-A-3-B MS

Matrix: Solid

Analysis Batch: 30489

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	14300	F1	4960	21420	F1	mg/Kg		144	90 - 110

Lab Sample ID: 880-17262-A-3-C MSD

Matrix: Solid

Analysis Batch: 30489

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	14300	F1	4960	21470	F1	mg/Kg		145	90 - 110	0	20

Lab Sample ID: 880-17262-A-13-E MS

Matrix: Solid

Analysis Batch: 30489

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	11.5	F1	253	317.6	F1	mg/Kg		121	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-17262-A-13-F MSD

Matrix: Solid

Analysis Batch: 30489

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11.5	F1	253	316.5	F1	mg/Kg		121	90 - 110	0	20

Lab Sample ID: MB 880-30403/1-A

Matrix: Solid

Analysis Batch: 30490

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			07/25/22 07:45	1

Lab Sample ID: LCS 880-30403/2-A

Matrix: Solid

Analysis Batch: 30490

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	269.8		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-30403/3-A

Matrix: Solid

Analysis Batch: 30490

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	273.4		mg/Kg		109	90 - 110	1	20

Lab Sample ID: 880-17263-15 MS

Matrix: Solid

Analysis Batch: 30490

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	17.0		250	290.9		mg/Kg		110	90 - 110

Lab Sample ID: 880-17263-15 MSD

Matrix: Solid

Analysis Batch: 30490

Client Sample ID: H-1 (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	17.0		250	291.6		mg/Kg		110	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 30423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-1	S-1 (0-1')	Total/NA	Solid	5035	
880-17263-2	S-1 (1.5')	Total/NA	Solid	5035	
880-17263-3	S-1 (2.0')	Total/NA	Solid	5035	
880-17263-4	S-1 (2.5')	Total/NA	Solid	5035	
880-17263-5	S-1 (3.0')	Total/NA	Solid	5035	
880-17263-6	S-1 (3.5')	Total/NA	Solid	5035	
880-17263-7	S-1 (4.0')	Total/NA	Solid	5035	
880-17263-8	S-1 (4.5')	Total/NA	Solid	5035	
880-17263-9	S-2 (0-1')	Total/NA	Solid	5035	
880-17263-10	S-2 (1.5')	Total/NA	Solid	5035	
880-17263-11	S-2 (2.0')	Total/NA	Solid	5035	
880-17263-12	S-2 (2.5')	Total/NA	Solid	5035	
880-17263-13	S-3 (0-3")	Total/NA	Solid	5035	
880-17263-14	S-4 (0-3")	Total/NA	Solid	5035	
MB 880-30423/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30423/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30423/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17263-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-17263-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 30607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-1	S-1 (0-1')	Total/NA	Solid	8021B	30423
880-17263-2	S-1 (1.5')	Total/NA	Solid	8021B	30423
880-17263-3	S-1 (2.0')	Total/NA	Solid	8021B	30423
880-17263-4	S-1 (2.5')	Total/NA	Solid	8021B	30423
880-17263-5	S-1 (3.0')	Total/NA	Solid	8021B	30423
880-17263-6	S-1 (3.5')	Total/NA	Solid	8021B	30423
880-17263-7	S-1 (4.0')	Total/NA	Solid	8021B	30423
880-17263-8	S-1 (4.5')	Total/NA	Solid	8021B	30423
880-17263-9	S-2 (0-1')	Total/NA	Solid	8021B	30423
880-17263-10	S-2 (1.5')	Total/NA	Solid	8021B	30423
880-17263-11	S-2 (2.0')	Total/NA	Solid	8021B	30423
880-17263-12	S-2 (2.5')	Total/NA	Solid	8021B	30423
880-17263-13	S-3 (0-3")	Total/NA	Solid	8021B	30423
880-17263-14	S-4 (0-3")	Total/NA	Solid	8021B	30423
MB 880-30423/5-A	Method Blank	Total/NA	Solid	8021B	30423
LCS 880-30423/1-A	Lab Control Sample	Total/NA	Solid	8021B	30423
LCSD 880-30423/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30423
880-17263-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	30423
880-17263-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	30423

Prep Batch: 30709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-15	H-1 (0-0.5')	Total/NA	Solid	5035	
880-17263-16	H-2 (0-0.5')	Total/NA	Solid	5035	
880-17263-17	H-3 (0-0.5')	Total/NA	Solid	5035	
880-17263-18	H-4 (0-0.5')	Total/NA	Solid	5035	
880-17263-19	H-5 (0-0.5')	Total/NA	Solid	5035	
880-17263-20	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-30709/5-A	Method Blank	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 30709 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-30709/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30709/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17263-16 MS	H-2 (0-0.5')	Total/NA	Solid	5035	
880-17263-16 MSD	H-2 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 30735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-17263-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-17263-3	S-1 (2.0')	Total/NA	Solid	Total BTEX	
880-17263-4	S-1 (2.5')	Total/NA	Solid	Total BTEX	
880-17263-5	S-1 (3.0')	Total/NA	Solid	Total BTEX	
880-17263-6	S-1 (3.5')	Total/NA	Solid	Total BTEX	
880-17263-7	S-1 (4.0')	Total/NA	Solid	Total BTEX	
880-17263-8	S-1 (4.5')	Total/NA	Solid	Total BTEX	
880-17263-9	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-17263-10	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-17263-11	S-2 (2.0')	Total/NA	Solid	Total BTEX	
880-17263-12	S-2 (2.5')	Total/NA	Solid	Total BTEX	
880-17263-13	S-3 (0-3")	Total/NA	Solid	Total BTEX	
880-17263-14	S-4 (0-3")	Total/NA	Solid	Total BTEX	
880-17263-15	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17263-16	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17263-17	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17263-18	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17263-19	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17263-20	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 30747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-15	H-1 (0-0.5')	Total/NA	Solid	8021B	30709
880-17263-16	H-2 (0-0.5')	Total/NA	Solid	8021B	30709
880-17263-17	H-3 (0-0.5')	Total/NA	Solid	8021B	30709
880-17263-18	H-4 (0-0.5')	Total/NA	Solid	8021B	30709
880-17263-19	H-5 (0-0.5')	Total/NA	Solid	8021B	30709
880-17263-20	H-6 (0-0.5')	Total/NA	Solid	8021B	30709
MB 880-30709/5-A	Method Blank	Total/NA	Solid	8021B	30709
MB 880-30794/5-A	Method Blank	Total/NA	Solid	8021B	30794
LCS 880-30709/1-A	Lab Control Sample	Total/NA	Solid	8021B	30709
LCS 880-30794/1-A	Lab Control Sample	Total/NA	Solid	8021B	30794
LCSD 880-30709/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30709
LCSD 880-30794/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30794
880-17263-16 MS	H-2 (0-0.5')	Total/NA	Solid	8021B	30709
880-17263-16 MSD	H-2 (0-0.5')	Total/NA	Solid	8021B	30709
880-17398-A-6-B MS	Matrix Spike	Total/NA	Solid	8021B	30794
880-17398-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30794

Prep Batch: 30794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-30794/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30794/1-A	Lab Control Sample	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 30794 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-30794/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17398-A-6-B MS	Matrix Spike	Total/NA	Solid	5035	
880-17398-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 30510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-1	S-1 (0-1')	Total/NA	Solid	8015B NM	30588
880-17263-2	S-1 (1.5')	Total/NA	Solid	8015B NM	30588
880-17263-3	S-1 (2.0')	Total/NA	Solid	8015B NM	30588
880-17263-4	S-1 (2.5')	Total/NA	Solid	8015B NM	30588
880-17263-5	S-1 (3.0')	Total/NA	Solid	8015B NM	30588
880-17263-6	S-1 (3.5')	Total/NA	Solid	8015B NM	30588
880-17263-7	S-1 (4.0')	Total/NA	Solid	8015B NM	30588
880-17263-8	S-1 (4.5')	Total/NA	Solid	8015B NM	30588
880-17263-9	S-2 (0-1')	Total/NA	Solid	8015B NM	30588
880-17263-10	S-2 (1.5')	Total/NA	Solid	8015B NM	30588
880-17263-11	S-2 (2.0')	Total/NA	Solid	8015B NM	30588
880-17263-12	S-2 (2.5')	Total/NA	Solid	8015B NM	30588
880-17263-13	S-3 (0-3")	Total/NA	Solid	8015B NM	30588
880-17263-14	S-4 (0-3")	Total/NA	Solid	8015B NM	30588
880-17263-15	H-1 (0-0.5')	Total/NA	Solid	8015B NM	30588
880-17263-16	H-2 (0-0.5')	Total/NA	Solid	8015B NM	30588
880-17263-17	H-3 (0-0.5')	Total/NA	Solid	8015B NM	30588
880-17263-18	H-4 (0-0.5')	Total/NA	Solid	8015B NM	30588
880-17263-19	H-5 (0-0.5')	Total/NA	Solid	8015B NM	30588
880-17263-20	H-6 (0-0.5')	Total/NA	Solid	8015B NM	30588
MB 880-30588/1-A	Method Blank	Total/NA	Solid	8015B NM	30588
LCS 880-30588/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30588
LCSD 880-30588/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30588
880-17263-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	30588
880-17263-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	30588

Prep Batch: 30588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-17263-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-17263-3	S-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-17263-4	S-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-17263-5	S-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-17263-6	S-1 (3.5')	Total/NA	Solid	8015NM Prep	
880-17263-7	S-1 (4.0')	Total/NA	Solid	8015NM Prep	
880-17263-8	S-1 (4.5')	Total/NA	Solid	8015NM Prep	
880-17263-9	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-17263-10	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-17263-11	S-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-17263-12	S-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-17263-13	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-17263-14	S-4 (0-3")	Total/NA	Solid	8015NM Prep	
880-17263-15	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 30588 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-16	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17263-17	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17263-18	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17263-19	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17263-20	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-30588/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30588/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30588/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-17263-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-17263-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-17263-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-17263-3	S-1 (2.0')	Total/NA	Solid	8015 NM	
880-17263-4	S-1 (2.5')	Total/NA	Solid	8015 NM	
880-17263-5	S-1 (3.0')	Total/NA	Solid	8015 NM	
880-17263-6	S-1 (3.5')	Total/NA	Solid	8015 NM	
880-17263-7	S-1 (4.0')	Total/NA	Solid	8015 NM	
880-17263-8	S-1 (4.5')	Total/NA	Solid	8015 NM	
880-17263-9	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-17263-10	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-17263-11	S-2 (2.0')	Total/NA	Solid	8015 NM	
880-17263-12	S-2 (2.5')	Total/NA	Solid	8015 NM	
880-17263-13	S-3 (0-3")	Total/NA	Solid	8015 NM	
880-17263-14	S-4 (0-3")	Total/NA	Solid	8015 NM	
880-17263-15	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-17263-16	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-17263-17	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-17263-18	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-17263-19	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-17263-20	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-17263-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-17263-3	S-1 (2.0')	Soluble	Solid	DI Leach	
880-17263-4	S-1 (2.5')	Soluble	Solid	DI Leach	
880-17263-5	S-1 (3.0')	Soluble	Solid	DI Leach	
880-17263-6	S-1 (3.5')	Soluble	Solid	DI Leach	
880-17263-7	S-1 (4.0')	Soluble	Solid	DI Leach	
880-17263-8	S-1 (4.5')	Soluble	Solid	DI Leach	
MB 880-30402/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30402/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30402/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17262-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17262-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 30402 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17262-A-13-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17262-A-13-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 30403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-9	S-2 (0-1')	Soluble	Solid	DI Leach	
880-17263-10	S-2 (1.5')	Soluble	Solid	DI Leach	
880-17263-11	S-2 (2.0')	Soluble	Solid	DI Leach	
880-17263-12	S-2 (2.5')	Soluble	Solid	DI Leach	
880-17263-13	S-3 (0-3")	Soluble	Solid	DI Leach	
880-17263-14	S-4 (0-3")	Soluble	Solid	DI Leach	
880-17263-15	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-17263-16	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-17263-17	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-17263-18	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-17263-19	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-17263-20	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-30403/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30403/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30403/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17263-15 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-17263-15 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 30489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-1	S-1 (0-1')	Soluble	Solid	300.0	30402
880-17263-2	S-1 (1.5')	Soluble	Solid	300.0	30402
880-17263-3	S-1 (2.0')	Soluble	Solid	300.0	30402
880-17263-4	S-1 (2.5')	Soluble	Solid	300.0	30402
880-17263-5	S-1 (3.0')	Soluble	Solid	300.0	30402
880-17263-6	S-1 (3.5')	Soluble	Solid	300.0	30402
880-17263-7	S-1 (4.0')	Soluble	Solid	300.0	30402
880-17263-8	S-1 (4.5')	Soluble	Solid	300.0	30402
MB 880-30402/1-A	Method Blank	Soluble	Solid	300.0	30402
LCS 880-30402/2-A	Lab Control Sample	Soluble	Solid	300.0	30402
LCSD 880-30402/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30402
880-17262-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	30402
880-17262-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30402
880-17262-A-13-E MS	Matrix Spike	Soluble	Solid	300.0	30402
880-17262-A-13-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30402

Analysis Batch: 30490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-9	S-2 (0-1')	Soluble	Solid	300.0	30403
880-17263-10	S-2 (1.5')	Soluble	Solid	300.0	30403
880-17263-11	S-2 (2.0')	Soluble	Solid	300.0	30403
880-17263-12	S-2 (2.5')	Soluble	Solid	300.0	30403
880-17263-13	S-3 (0-3")	Soluble	Solid	300.0	30403
880-17263-14	S-4 (0-3")	Soluble	Solid	300.0	30403
880-17263-15	H-1 (0-0.5')	Soluble	Solid	300.0	30403
880-17263-16	H-2 (0-0.5')	Soluble	Solid	300.0	30403

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 30490 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17263-17	H-3 (0-0.5')	Soluble	Solid	300.0	30403
880-17263-18	H-4 (0-0.5')	Soluble	Solid	300.0	30403
880-17263-19	H-5 (0-0.5')	Soluble	Solid	300.0	30403
880-17263-20	H-6 (0-0.5')	Soluble	Solid	300.0	30403
MB 880-30403/1-A	Method Blank	Soluble	Solid	300.0	30403
LCS 880-30403/2-A	Lab Control Sample	Soluble	Solid	300.0	30403
LCSD 880-30403/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30403
880-17263-15 MS	H-1 (0-0.5')	Soluble	Solid	300.0	30403
880-17263-15 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	30403

Lab Chronicle

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17263-1

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 11:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 21:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	30402	07/22/22 12:03	SMC	XEN MID
Soluble	Analysis	300.0		50			30489	07/25/22 10:37	CH	XEN MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17263-2

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 11:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 22:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30402	07/22/22 12:03	SMC	XEN MID
Soluble	Analysis	300.0		10			30489	07/25/22 12:10	CH	XEN MID

Client Sample ID: S-1 (2.0')

Lab Sample ID: 880-17263-3

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 12:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 23:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	30402	07/22/22 12:03	SMC	XEN MID
Soluble	Analysis	300.0		20			30489	07/25/22 12:19	CH	XEN MID

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-17263-4

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 12:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (2.5')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 23:39	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	30402	07/22/22 12:03	SMC	XEN MID
Soluble	Analysis	300.0		20			30489	07/25/22 12:28	CH	XEN MID

Client Sample ID: S-1 (3.0')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 13:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 00:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	30402	07/22/22 12:03	SMC	XEN MID
Soluble	Analysis	300.0		20			30489	07/25/22 12:37	CH	XEN MID

Client Sample ID: S-1 (3.5')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-6

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	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 13:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 00:21	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30402	07/22/22 12:03	SMC	XEN MID
Soluble	Analysis	300.0		20			30489	07/25/22 12:47	CH	XEN MID

Client Sample ID: S-1 (4.0')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-7

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	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 13:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 00:42	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (4.0')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-7

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			5.03 g	50 mL	30402	07/22/22 12:03	SMC	XEN MID
Soluble	Analysis	300.0		20			30489	07/25/22 12:56	CH	XEN MID

Client Sample ID: S-1 (4.5')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-8

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			4.95 g	5 mL	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 14:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 01:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	30402	07/22/22 12:03	SMC	XEN MID
Soluble	Analysis	300.0		20			30489	07/25/22 13:05	CH	XEN MID

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

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-9

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	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 14:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 01:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	30403	07/22/22 12:06	SMC	XEN MID
Soluble	Analysis	300.0		1			30490	07/25/22 08:56	CH	XEN MID

Client Sample ID: S-2 (1.5')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-10

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	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 14:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 01:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30403	07/22/22 12:06	SMC	XEN MID
Soluble	Analysis	300.0		1			30490	07/25/22 09:20	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (2.0')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-11

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	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 16:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 02:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	30403	07/22/22 12:06	SMC	XEN MID
Soluble	Analysis	300.0		1			30490	07/25/22 09:27	CH	XEN MID

Client Sample ID: S-2 (2.5')

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-12

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			5.02 g	5 mL	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 17:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 02:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	30403	07/22/22 12:06	SMC	XEN MID
Soluble	Analysis	300.0		1			30490	07/25/22 09:35	CH	XEN MID

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

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-13

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			5.05 g	5 mL	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 17:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 03:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	30403	07/22/22 12:06	SMC	XEN MID
Soluble	Analysis	300.0		1			30490	07/25/22 09:43	CH	XEN MID

Client Sample ID: S-4 (0-3")

Date Collected: 07/21/22 00:00

Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-14

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			4.98 g	5 mL	30423	07/22/22 14:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30607	07/26/22 17:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (0-3")

Lab Sample ID: 880-17263-14

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 03:31	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30403	07/22/22 12:06	SMC	XEN MID
Soluble	Analysis	300.0		1			30490	07/25/22 09:51	CH	XEN MID

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

Lab Sample ID: 880-17263-15

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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	30709	07/27/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30747	07/27/22 17:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 03:52	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30403	07/22/22 12:06	SMC	XEN MID
Soluble	Analysis	300.0		1			30490	07/25/22 09:59	CH	XEN MID

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

Lab Sample ID: 880-17263-16

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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	30709	07/27/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30747	07/27/22 11:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 04:13	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	30403	07/22/22 12:06	SMC	XEN MID
Soluble	Analysis	300.0		1			30490	07/25/22 10:22	CH	XEN MID

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

Lab Sample ID: 880-17263-17

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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	30709	07/27/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30747	07/27/22 11:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 04:34	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17263-17

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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	30403	07/22/22 12:06	SMC	XEN MID
Soluble	Analysis	300.0		1			30490	07/25/22 10:30	CH	XEN MID

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

Lab Sample ID: 880-17263-18

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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	30709	07/27/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30747	07/27/22 15:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 04:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30403	07/22/22 12:06	SMC	XEN MID
Soluble	Analysis	300.0		1			30490	07/25/22 10:54	CH	XEN MID

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

Lab Sample ID: 880-17263-19

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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	30709	07/27/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30747	07/27/22 16:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 05:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30403	07/22/22 12:06	SMC	XEN MID
Soluble	Analysis	300.0		1			30490	07/25/22 11:01	CH	XEN MID

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

Lab Sample ID: 880-17263-20

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 10:05

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	30709	07/27/22 10:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30747	07/27/22 17:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30735	07/26/22 16:25	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30660	07/26/22 08:53	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	30588	07/25/22 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/26/22 05:37	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30403	07/22/22 12:06	SMC	XEN MID
Soluble	Analysis	300.0		1			30490	07/25/22 11:09	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

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

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- 5
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- 14

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
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	T104704400-22-24	06-30-23

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

Eurofins Midland

Method Summary

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Diamondback 22 #4H (06.17.22)

Job ID: 880-17263-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-17263-1	S-1 (0-1')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-2	S-1 (1.5')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-3	S-1 (2.0')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-4	S-1 (2.5')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-5	S-1 (3.0')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-6	S-1 (3.5')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-7	S-1 (4.0')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-8	S-1 (4.5')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-9	S-2 (0-1')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-10	S-2 (1.5')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-11	S-2 (2.0')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-12	S-2 (2.5')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-13	S-3 (0-3")	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-14	S-4 (0-3")	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-15	H-1 (0-0.5')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-16	H-2 (0-0.5')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-17	H-3 (0-0.5')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-18	H-4 (0-0.5')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-19	H-5 (0-0.5')	Solid	07/21/22 00:00	07/22/22 10:05
880-17263-20	H-6 (0-0.5')	Solid	07/21/22 00:00	07/22/22 10:05

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Work Order No: 17263

Page 1 of 2

Project Manager	Conner Mohering	Bill to: (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving NM 88256
Phone	432-813-9044	Email	jacqui.harris@conocophillips.com

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

Project Name	Diamondback 22 #4H (06 17 22)		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number	1091		☐ Routine	☒ Rush												None NO	DI Water- H ₂ O
Project Location	Eddy Co. NM		Due Date	72 Hr											Cool Cool	MeOH Me	
Sampler's Name	CM		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											H ₃ PO ₄ HP	
Received Intact	Yes No	Yes No	Thermometer ID	Correction Factor	Yes No											NaHSO ₄ NABIS	
Cooler Custody Seals	Yes No	Yes No	Temperature Reading	Corrected Temperature	Yes No											Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes No	Yes No														Zn Acetate+NaOH Zn	
Total Containers																NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments
S-1 (0-1')	7/21/2022	-	X		Grab/	1	X	X	X								
S-1 (1-5')	7/21/2022	-	X		Grab/	1	X	X	X								
S-1 (2-0')	7/21/2022	-	X		Grab/	1	X	X	X								
S-1 (2-5')	7/21/2022	-	X		Grab/	1	X	X	X								
S-1 (3-0')	7/21/2022	-	X		Grab/	1	X	X	X								
S-1 (3-5')	7/21/2022	-	X		Grab/	1	X	X	X								
S-1 (4-0')	7/21/2022	-	X		Grab/	1	X	X	X								
S-1 (4-5')	7/21/2022	-	X		Grab/	1	X	X	X								
S-2 (0-1')	7/21/2022	-	X		Grab/	1	X	X	X								
S-2 (1-5')	7/21/2022	-	X		Grab/	1	X	X	X								

Comments:



880-17263 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	6/29/2022		7/21/22
	10:05		

Work Order No: 17263

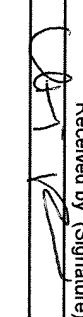
Page 2 of 2

Project Manager		Conner Mohering		Bill to: (if different)		Jacqui Harris	
Company Name:		Carmona Resources		Company Name		COG	
Address:		310 W Wall St Ste 415		Address:		15 W London Rd	
City, State ZIP		Midland, TX 79701		City, State ZIP		Loving, NM 88256	
Phone:		432-813-9044		Email:		jacqui.harris@conocophillips.com	

Project Name:		Diamondback 22 #4H (06 17 22)		Turn Around		ANALYSIS REQUEST		Preservative Codes	
Project Number		1091		☐ Routine ☒ Rush				None NO DI Water H ₂ O	
Project Location		Eddy Co, NM		Due Date				Cool Cool MeOH Me	
Sampler's Name		CM		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				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		BTEX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0		Loc: 880		17263	
S-2 (2 0')		7/21/2022				X				Grab/		1		X		X		X					
S-2 (2 5')		7/21/2022				X				Grab/		1		X		X		X					
S-3 (0-3")		7/21/2022				X				Grab/		1		X		X		X					
S-4 (0-3")		7/21/2022				X				Grab/		1		X		X		X					
H-1 (0-0 5')		7/21/2022				X				Grab/		1		X		X		X					
H-2 (0-0 5')		7/21/2022				X				Grab/		1		X		X		X					
H-3 (0-0 5')		7/21/2022				X				Grab/		1		X		X		X					
H-4 (0-0 5')		7/21/2022				X				Grab/		1		X		X		X					
H-5 (0-0 5')		7/21/2022				X				Grab/		1		X		X		X					
H-6 (0-0 5')		7/21/2022				X				Grab/		1		X		X		X					

Comments:

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
		6/29/2022 7/22/22				10:05	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-17263-1

SDG Number: Eddy Co, NM

Login Number: 17263**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 19, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: DIAMONDBACK 22 #4H (06.17.22)

Enclosed are the results of analyses for samples received by the laboratory on 12/16/22 8:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	12/16/2022	Sampling Date:	12/14/2022
Reported:	12/19/2022	Sampling Type:	Soil
Project Name:	DIAMONDBACK 22 #4H (06.17.22)	Sampling Condition:	Cool & Intact
Project Number:	1091	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 1 (5.5') (H225951-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90	
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71	
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84	
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11	
Total BTEX	<0.300	0.300	12/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/16/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	12/16/2022	Sampling Date:	12/14/2022
Reported:	12/19/2022	Sampling Type:	Soil
Project Name:	DIAMONDBACK 22 #4H (06.17.22)	Sampling Condition:	Cool & Intact
Project Number:	1091	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 2 (5.5') (H225951-02)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90		
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11		
Total BTEX	<0.300	0.300	12/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/16/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 94.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	12/16/2022	Sampling Date:	12/14/2022
Reported:	12/19/2022	Sampling Type:	Soil
Project Name:	DIAMONDBACK 22 #4H (06.17.22)	Sampling Condition:	Cool & Intact
Project Number:	1091	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 3 (8.0') (H225951-03)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90		
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11		
Total BTEX	<0.300	0.300	12/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/16/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	12/16/2022	Sampling Date:	12/14/2022
Reported:	12/19/2022	Sampling Type:	Soil
Project Name:	DIAMONDBACK 22 #4H (06.17.22)	Sampling Condition:	Cool & Intact
Project Number:	1091	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 4 (8.0') (H225951-04)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90		
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11		
Total BTEX	<0.300	0.300	12/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/16/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 12/16/2022
 Reported: 12/19/2022
 Project Name: DIAMONDBACK 22 #4H (06.17.22)
 Project Number: 1091
 Project Location: COG - EDDY CO NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 5 (1.0') (H225951-05)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90		
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11		
Total BTX	<0.300	0.300	12/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/16/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 95.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.9 % 46.3-178

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	12/16/2022	Sampling Date:	12/14/2022
Reported:	12/19/2022	Sampling Type:	Soil
Project Name:	DIAMONDBACK 22 #4H (06.17.22)	Sampling Condition:	Cool & Intact
Project Number:	1091	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 6 (1.0') (H225951-06)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90		
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11		
Total BTEX	<0.300	0.300	12/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/16/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 12/16/2022
 Reported: 12/19/2022
 Project Name: DIAMONDBACK 22 #4H (06.17.22)
 Project Number: 1091
 Project Location: COG - EDDY CO NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (5.5') (H225951-07)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90		
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11		
Total BTX	<0.300	0.300	12/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/16/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 96.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.3 % 46.3-178

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	12/16/2022	Sampling Date:	12/14/2022
Reported:	12/19/2022	Sampling Type:	Soil
Project Name:	DIAMONDBACK 22 #4H (06.17.22)	Sampling Condition:	Cool & Intact
Project Number:	1091	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 2 (5.5') (H225951-08)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90	
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71	
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84	
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11	
Total BTX	<0.300	0.300	12/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/16/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 99.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Analytical Results For:

CARMONA RESOURCES
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 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 12/16/2022
 Reported: 12/19/2022
 Project Name: DIAMONDBACK 22 #4H (06.17.22)
 Project Number: 1091
 Project Location: COG - EDDY CO NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 (5.5') (H225951-09)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90	
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71	
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84	
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11	
Total BTX	<0.300	0.300	12/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/16/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 99.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 12/16/2022
 Reported: 12/19/2022
 Project Name: DIAMONDBACK 22 #4H (06.17.22)
 Project Number: 1091
 Project Location: COG - EDDY CO NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 (8.0') (H225951-10)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90	
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71	
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84	
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11	
Total BTX	<0.300	0.300	12/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/16/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 12/16/2022
 Reported: 12/19/2022
 Project Name: DIAMONDBACK 22 #4H (06.17.22)
 Project Number: 1091
 Project Location: COG - EDDY CO NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 (8.0') (H225951-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90		
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11		
Total BTEx	<0.300	0.300	12/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/16/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 99.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	12/16/2022	Sampling Date:	12/14/2022
Reported:	12/19/2022	Sampling Type:	Soil
Project Name:	DIAMONDBACK 22 #4H (06.17.22)	Sampling Condition:	Cool & Intact
Project Number:	1091	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 6 (2.5') (H225951-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90		
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11		
Total BTEx	<0.300	0.300	12/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/16/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 95.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.6 % 46.3-178

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	12/16/2022	Sampling Date:	12/14/2022
Reported:	12/19/2022	Sampling Type:	Soil
Project Name:	DIAMONDBACK 22 #4H (06.17.22)	Sampling Condition:	Cool & Intact
Project Number:	1091	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 7 (1.0') (H225951-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90		
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11		
Total BTEx	<0.300	0.300	12/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/16/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 12/16/2022
 Reported: 12/19/2022
 Project Name: DIAMONDBACK 22 #4H (06.17.22)
 Project Number: 1091
 Project Location: COG - EDDY CO NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 (1.0') (H225951-14)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90		
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11		
Total BTEX	<0.300	0.300	12/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/16/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 12/16/2022
 Reported: 12/19/2022
 Project Name: DIAMONDBACK 22 #4H (06.17.22)
 Project Number: 1091
 Project Location: COG - EDDY CO NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 (1.0') (H225951-15)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90		
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11		
Total BTEX	<0.300	0.300	12/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/16/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	196	98.0	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	225	112	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.6 % 46.3-178

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	12/16/2022	Sampling Date:	12/14/2022
Reported:	12/19/2022	Sampling Type:	Soil
Project Name:	DIAMONDBACK 22 #4H (06.17.22)	Sampling Condition:	Cool & Intact
Project Number:	1091	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 10 (1.0') (H225951-16)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2022	ND	2.14	107	2.00	4.90		
Toluene*	<0.050	0.050	12/16/2022	ND	2.15	108	2.00	5.71		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	4.84		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.58	110	6.00	5.11		
Total BTEX	<0.300	0.300	12/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/16/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2022	ND	198	99.0	200	1.87	
DRO >C10-C28*	<10.0	10.0	12/17/2022	ND	208	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	12/17/2022	ND					

Surrogate: 1-Chlorooctane 74.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.6 % 46.3-178

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H22595

Project Manager:	Commer Mohering	Bill to: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	COG
Address:	310 W Wall St Ste 415	Address:	15 W London Rd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Loving NM 88256
Phone:	432-813-9044	Email:	jacqui.harris@conocophillips.com

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ JRC ☐ Superfund State of Project: _____ Reporting Level: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV Deliverables: EDD ☐ ADAPT ☐ Other: _____	
--	--

Project Name:	Diamondback 22 #4H (06.17.22)		Turn Around		Pres. Code ANALYSIS REQUEST HOLD Preservative Codes None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN 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			
Project Number:	1091	☐ Routine	☒ Rush	24 Hr				
Project Location:	Eddy Co, NM	Due Date:						
Sampler's Name:	GPI							
PO #:								
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐			
Received Intact:	Yes ☒ No ☐	Thermometer ID:	-0.6°C					
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	8.7°C					
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	8.1°C					
Total Containers:								
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	
CS-1 (5.5')	12/14/2022	-	X		C	1	X	X
CS-2 (5.5')	12/14/2022	-	X		C	1	X	X
CS-3 (8.0')	12/14/2022	-	X		C	1	X	X
CS-4 (8.0')	12/14/2022	-	X		C	1	X	X
CS-5 (1.0')	12/14/2022	-	X		C	1	X	X
CS-6 (1.0')	12/14/2022	-	X		C	1	X	X
SW-1 (5.5')	12/14/2022	-	X		C	1	X	X
SW-2 (5.5')	12/14/2022	-	X		C	1	X	X
SW-3 (5.5')	12/14/2022	-	X		C	1	X	X
SW-4 (8.0')	12/14/2022	-	X		C	1	X	X

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12-16-22 0810		

Work Order No: A225951

Page 2 of 2

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]

Comments:

Released to Imaging: 1/27/2023 12:52:58 PM

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 175543

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 175543
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/27/2023