CARMONA RESOURCES

SITE INFORMATION

Work Plan
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 415
Midland, Texas 79701

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

CARMONA RESOURCES

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 PROPOSED WORK PLAN

6.0 CONCLUSIONS

FIGURES

FIGURE 1 OVERVIEW FIGURE 2 TOPOGRAPHIC

FIGURE 3 SAMPLE LOCATION FIGURE 4 PROPOSED 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

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Midland TX, 79701
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CARMONA RESOURCES

September 5, 2022

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

Re: Work Plan
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 º 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 from a flowline failure on June 17, 2022. 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.

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).

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

4.0 Site Assessment Activities

Initial Assessment

On June 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 was not achieved due to the dense layer encountered. Refer to Table 1.

Horizontal Delineation

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

5.0 Proposed Work Plan

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

- The area of S-1 be excavated to a depth of 5' to 7' below the surface and backfilled with clean material to grade.
- The areas of S-2 will be excavated to a depth of 3' to 4.5' below the surface and backfilled with clean material to grade.
- The areas of S-4 will be excavated to a depth of 0.5' below the surface and backfilled with clean material to grade.
- An estimated 196 cubic yards will be removed and hauled to the nearest disposal, based on the maximum depth. However, it is subject to change if vertical delineation is achieved sooner.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The affected areas in the pasture will be seeded with the appropriate seed mixture. The remediation will be implemented 90 days after the work plan is approved.

- Impacted soil around oil and gas equipment, structures, or lines may not be removed during remediation activities due to safety concerns for the onsite personnel. However, COG will excavate the impacted soils to the maximum extent possible.

6.0 Conclusions

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

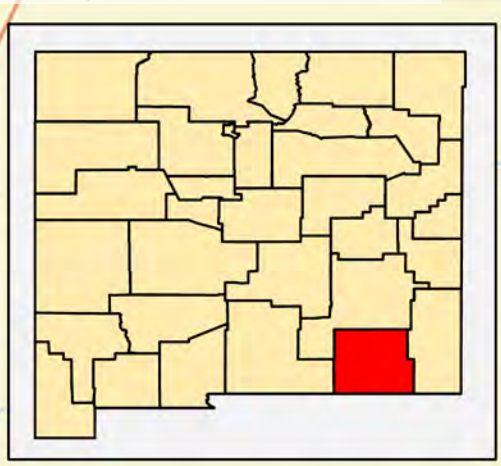
Sincerely,
Carmona Resources, LLC

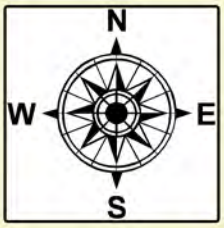
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES





Malaga

Pecos Hwy

Red Bluff

Pecos Hwy

Red Bluff Reservoir

Angeles

Red Bluff

652

FM 652

0 2 4 8 Miles

Legend

★ Site Location

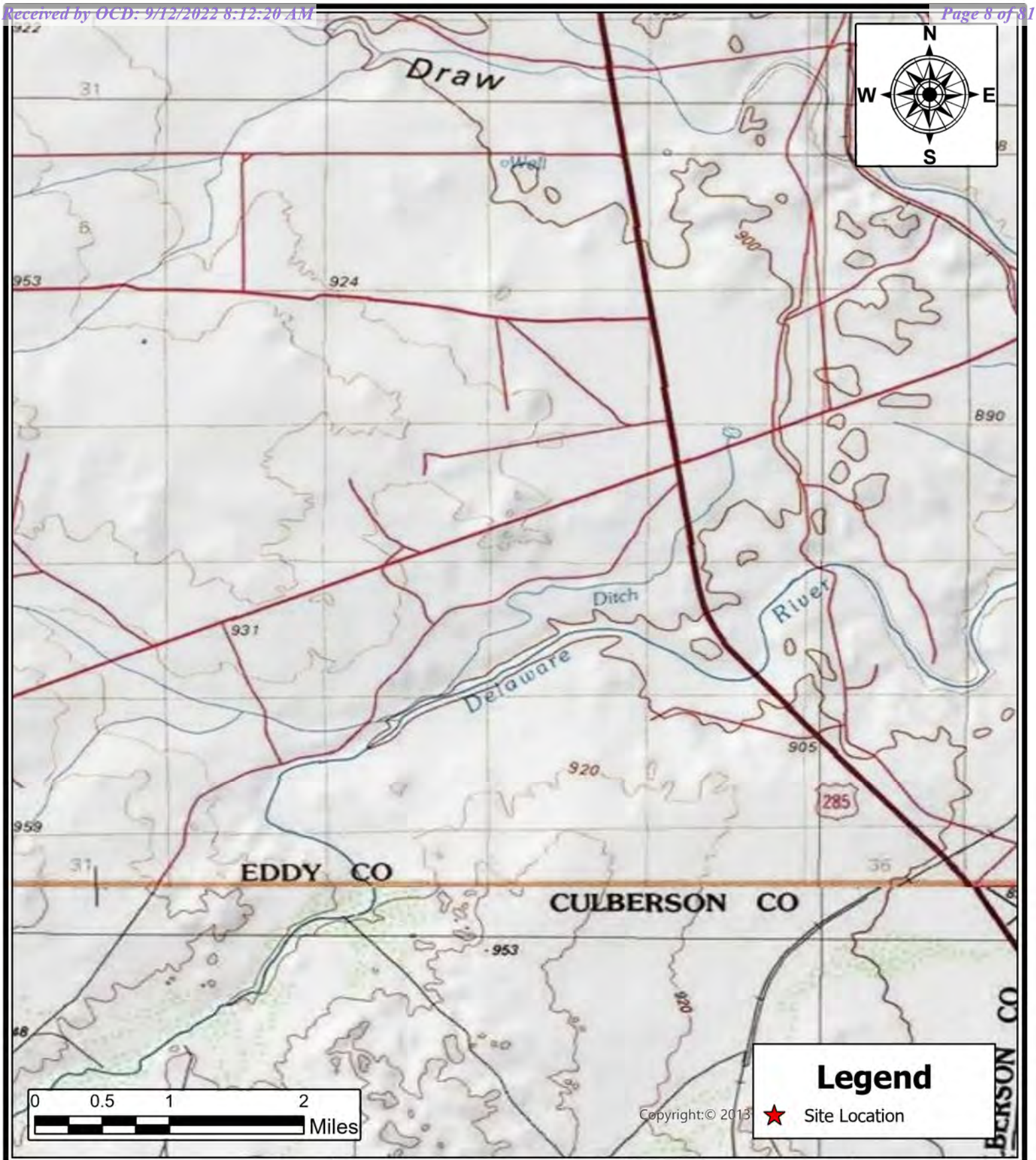
OVERVIEW MAP
COG OPERATING
DIAMONDBACK 22 #4H PW FLOWLINE (06.17.22)
EDDY COUNTY, NEW MEXICO
32.032412, -104.080534

SCALE: As Shown | Date: 8/15/2022

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

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

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1



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

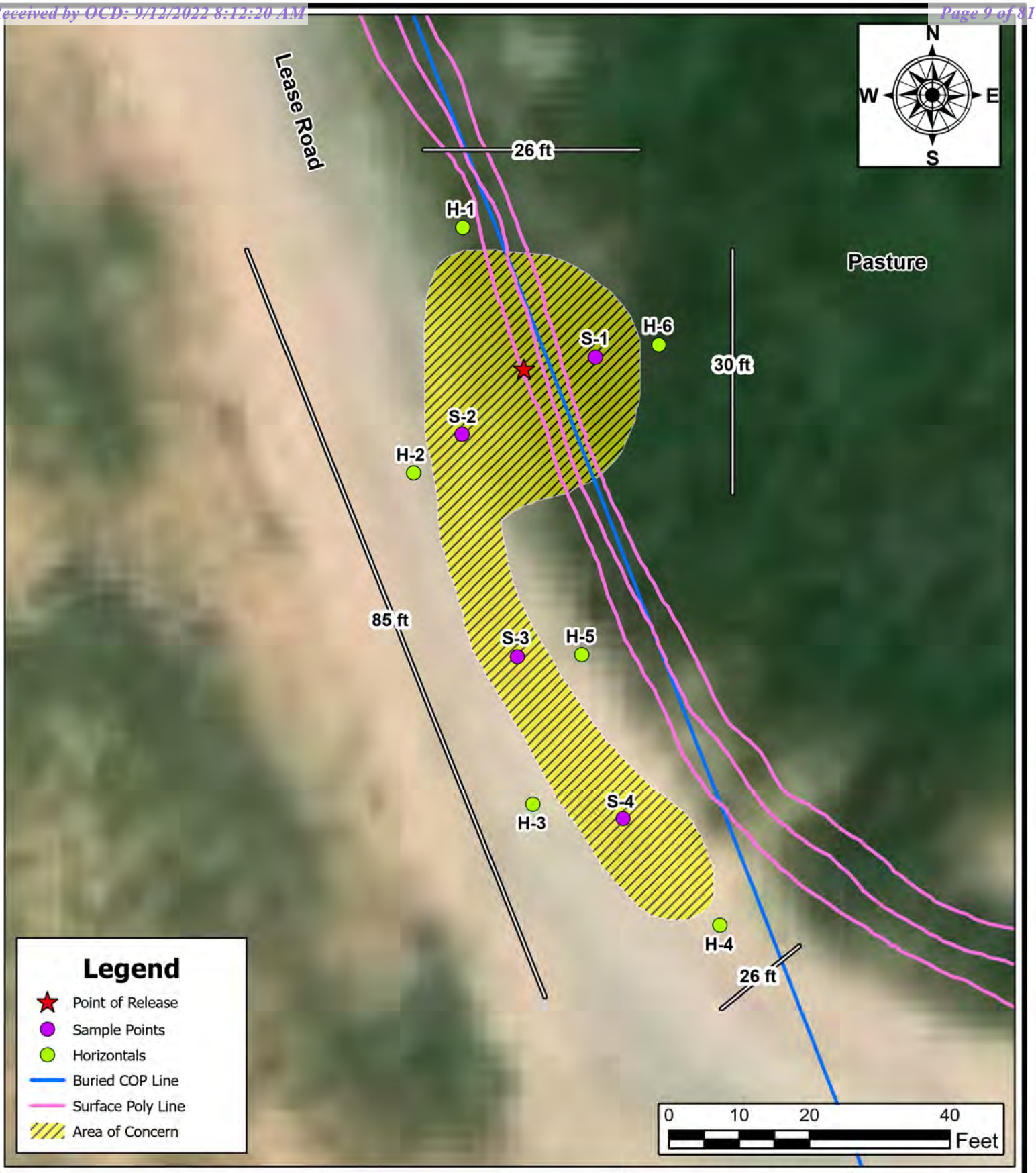
SCALE: As Shown | Date: 8/15/2022

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 2
SHEET NUMBER:
1 of 1



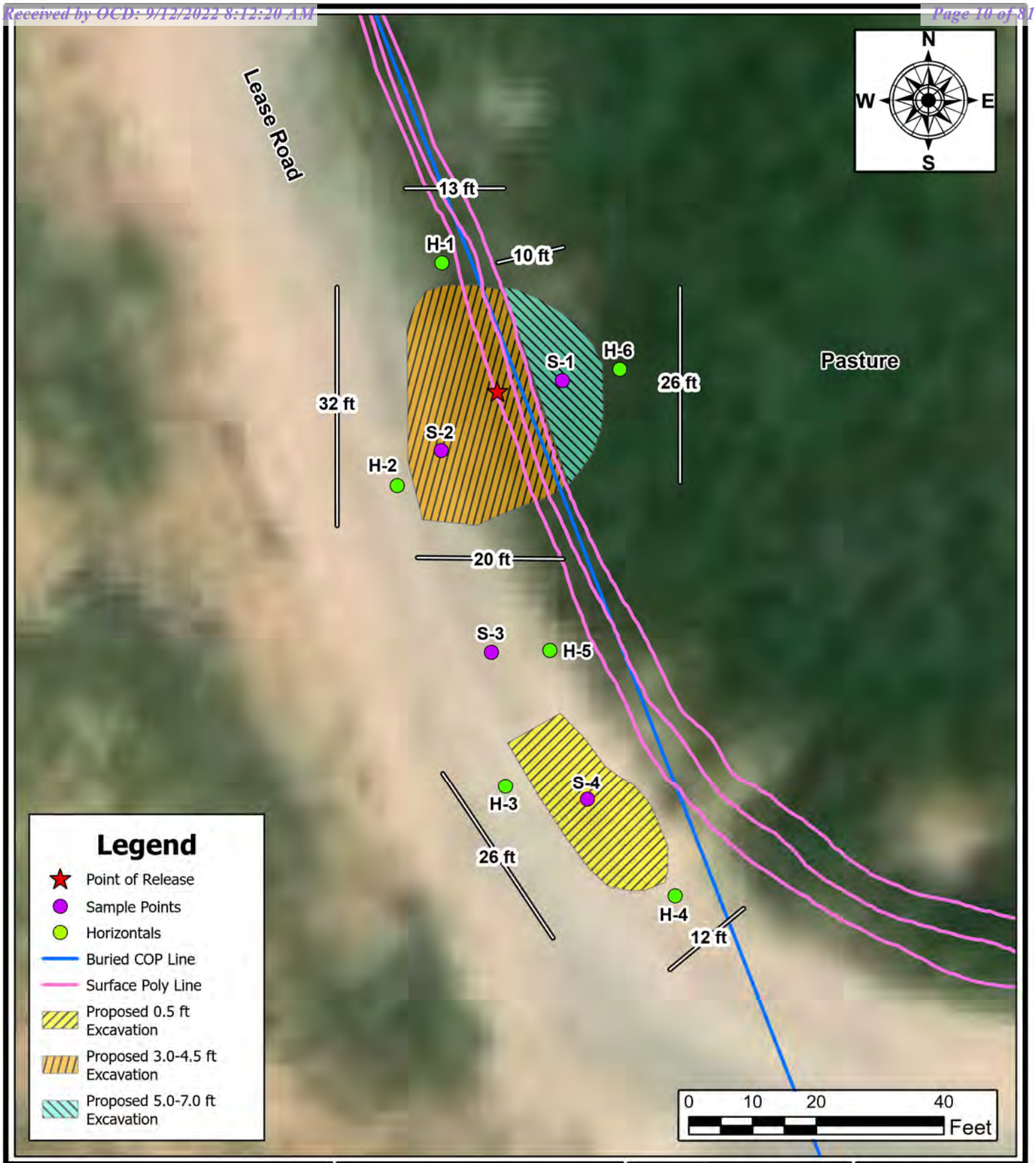
SAMPLE LOCATION MAP
COG OPERATING
DIAMONDBACK 22 #4H PW FLOWLINE (06.17.22)
EDDY COUNTY, NEW MEXICO
32.032412, -104.080534

SCALE: As Shown | Date: 8/15/2022

Carmona Resources
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



PROPOSED EXCAVATION DEPTH 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
310 West Wall Street, Suite 415
Midland, Texas 79701

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

DRAWING NUMBER:
FIGURE 4
SHEET NUMBER:
1 of 1

APPENDIX A

CARMONA RESOURCES

Table 1
COG
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

Proposed Excavation

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 North, areas of sample points (1-2).

Photograph No. 2

Facility: Diamondback 22 State Com 004H (06.17.22)

County: Eddy County, New Mexico

Description:
View North, areas of sample points (2-3).

Photograph No. 3

Facility: Diamondback 22 State Com 004H (06.17.22)

County: Eddy County, New Mexico

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

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		

State of New Mexico
Oil Conservation Division

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 not been undertaken, explain why:

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

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

Printed Name _____ Title: _____

Signature: __ _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

L48 Spill Volume Estimate Form

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

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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacque Harris Date: 9.8.22

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 09/12/2022

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: 9.8.22

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 09/12/2022

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

Signature: Jennifer Nobui Date: _____

APPENDIX D

CARMONA RESOURCES

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

Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Yellowish Orange/White well graded gravel with <50% coarse sand and caliche (GW). Dry	
5		(5') - Light reddish brown loose, medium sand with <50% fine well cemented gravel (SW). Dry	
10		(10') - Light reddish brown/ white loose fine sand with <25% fine well cemented gravel (SW). Dry	
15			
20		(20') - Light brown loose fine sand with <25% fine poorly cemented gravel and trace gypsum (SM). Dry	
25		(25') - White fine very loose sand with 100% gypsum (ML). Dry	
30			
35			
40			
45			
50			

Depth (ft.)	WL	Soil Description	Lithology
50		(50') - Light brown soft clay with <50% fine loose sand (CL). Dry	
55			
60		(59') - Light brown soft clay with 50% fine loose sand (CL). Moist	
65			
70			
75			
80			
85			
90			
95			
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

Scarborough Boring - 11.16.21 - Dry @59'

Diamondback 22 #4H PW Flowline (06.17.22)

120' - Drilled 1961

22.35' - Drilled 1998

N

3000 ft

High Karst
COG OPERATING

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

285

Pecos River

Diamondback 22 State Com 004H (04.11.22)

US Hwy 285

N

1 mi

Google Earth

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**

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)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	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 Rcv 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**

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

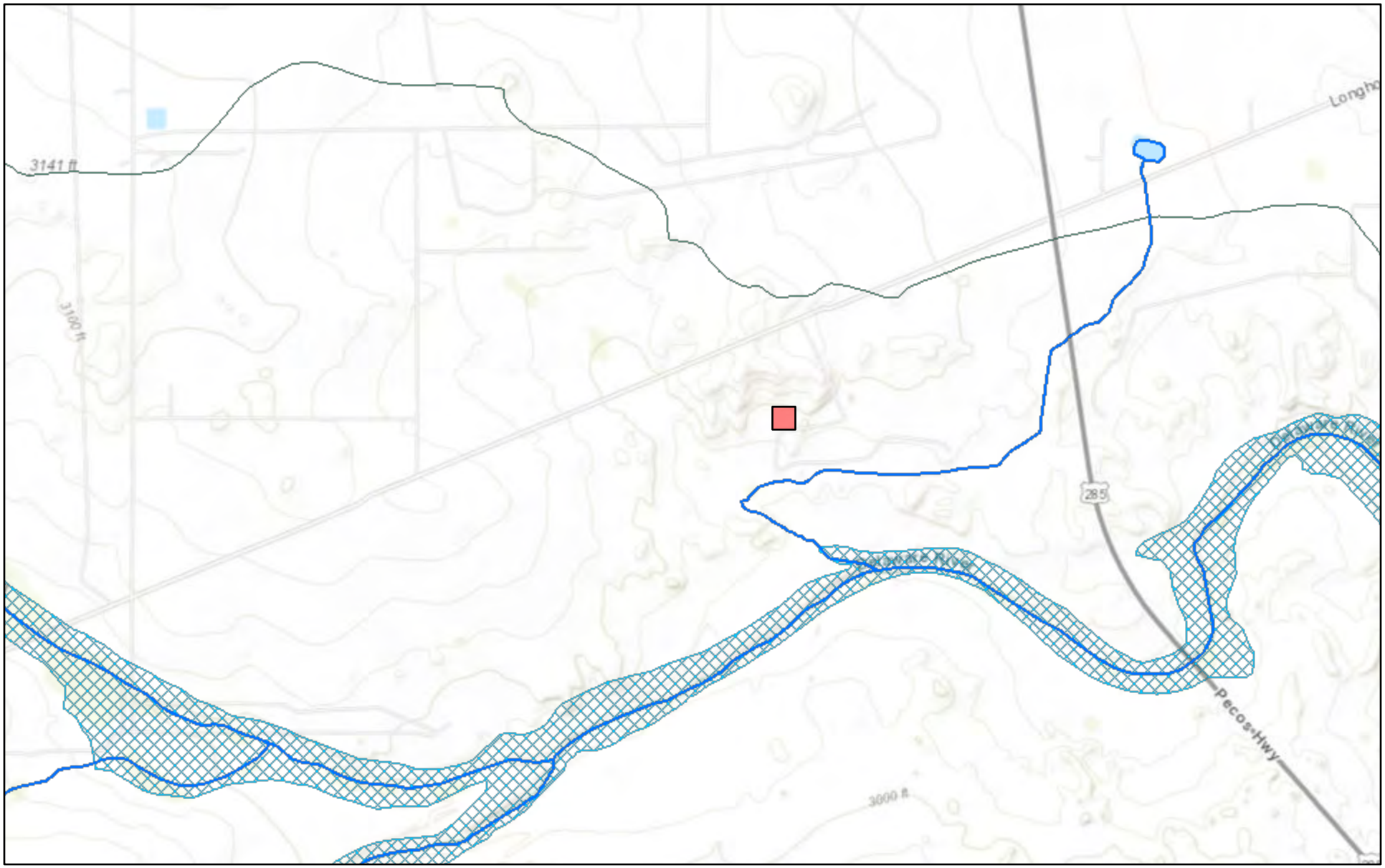
Section	Code	Description
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

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

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

APPENDIX E

CARMONA RESOURCES

eurofins | 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

Jkramer

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

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

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

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.
¤	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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-1

Matrix: Solid

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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-2

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 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*

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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-2
Matrix: Solid

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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-3
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 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
Oll 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
Oll 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

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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-5
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 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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-6
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 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*

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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-6
Matrix: Solid

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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-7
Matrix: Solid

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

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
Oil 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
Oil 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

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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-9
Matrix: Solid

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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-10
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 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*

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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-10
Matrix: Solid

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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-11
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 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

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')

Lab Sample ID: 880-17263-11
Matrix: Solid
Date Collected: 07/21/22 00:00
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
Oll 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')

Lab Sample ID: 880-17263-12
Matrix: Solid
Date Collected: 07/21/22 00:00
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 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
Oll 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

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
Matrix: Solid
Date Collected: 07/21/22 00:00
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
Matrix: Solid
Date Collected: 07/21/22 00:00
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*

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
Matrix: Solid
Date Collected: 07/21/22 00:00
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
Matrix: Solid
Date Collected: 07/21/22 00:00
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

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
Matrix: Solid
Date Collected: 07/21/22 00:00
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
Oll 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
Matrix: Solid
Date Collected: 07/21/22 00:00
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
Oll 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

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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-17
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		07/27/22 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')

Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-18
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		07/27/22 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*

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
Matrix: Solid
Date Collected: 07/21/22 00:00
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
Matrix: Solid
Date Collected: 07/21/22 00:00
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

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
Matrix: Solid
Date Collected: 07/21/22 00:00
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
Oll 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
Matrix: Solid
Date Collected: 07/21/22 00:00
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
Oll 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

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**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (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**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (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

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

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 — **Client Sample ID: S-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30607 — **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 — **Client Sample ID: S-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30607 — **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 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30747 — **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 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30747 — **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

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	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	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

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

Surrogate	MSD %Recovery	MSD 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 Result	MB 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

Surrogate	MB %Recovery	MB 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 Added	LCS Result	LCS 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

Surrogate	LCS %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

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

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	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

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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*118*		*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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Limit
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*

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	MSD %Recovery	MSD Qualifier	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		

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 — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 30489

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 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 30490

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 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 30490

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 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 30490

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 — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 30490

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 — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 30490

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

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	

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	

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	

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	

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

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')
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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')
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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')
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 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')
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	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

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')

Lab Sample ID: 880-17263-4
Matrix: Solid
Date Collected: 07/21/22 00:00
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	07/25/22 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')

Lab Sample ID: 880-17263-5
Matrix: Solid
Date Collected: 07/21/22 00:00
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 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')

Lab Sample ID: 880-17263-6
Matrix: Solid
Date Collected: 07/21/22 00:00
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 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')

Lab Sample ID: 880-17263-7
Matrix: Solid
Date Collected: 07/21/22 00:00
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 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

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')
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 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')
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 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')
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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')
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 10:05

Lab Sample ID: 880-17263-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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

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

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

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

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

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/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ 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	☐ Routine ☑ Rush
Project Number	1091	Due Date	72 Hr
Project Location	Eddy Co, NM	TAT starts the day received by the lab if received by 4 30pm	
Sampler's Name	CM		
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	+.20
Sample Custody Seals	Yes No (N/A)	Temperature Reading	4
Total Containers.		Corrected Temperature	4

ANALYSIS REQUEST

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2SO_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$. NABIS; $Na_2S_2O_3$. $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	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		

880-17263 Chain of Custody

Comments:

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	~~6/29/2022~~ 7/22/22 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

Work Order Comments

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

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV

Deliverables EDD ☐ ADaPT ☐ Other

Project Name.	Diamondback 22 #4H (06 17 22)	Turn Around	
Project Number	1091	☐ Routine ☑ Rush	
Project Location	Eddy Co, NM	Due Date	72 Hr
Sampler's Name.	CM	TAT starts the day received by the lab if received by 4.30pm	
PO #			

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

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
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	

Preservative Codes

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

Sample Comments

Loc: 880
17263

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	

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 142242

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	229137
	Action Number: 142242
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. This release does not meet criteria for DTW 51-100'. This release occurs in a high karst region and must follow the most stringent criteria for DTW <50' (600 mg/kg chloride, 100 mg/kg TPH etc). OCD requires that contamination be removed from the release per 19.15.29.12 NMAC criteria. If impact cannot be addressed during excavation activities, as this location is off pad and a deferral cannot be granted, please contact OCD immediately to discuss options.	11/14/2022