CARMONA RESOURCES

SITE INFORMATION

Work Plan
Vaca Draw Federal SWD
Incident #NAPP2214845877
Lea County, New Mexico
Unit P Sec 21 T25S R33E
32.110607°, -103.571313°

Produced Water Release
Point of Release: Gate Valve Failure
Release Date: 5/27/2022
Volume Released: 40 barrels of Produced Water
Volume Recovered: 30 barrels of Produced Water

CARMONA RESOURCES

Prepared for:
NGL Energy Partners, LLC
865 North Albion Street
Denver, CO 80220

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

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

CARMONA RESOURCES

August 29, 2022

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Santa Fe, New Mexico 87505

Re: Work Plan
Vaca Draw Federal SWD
NGL Water Solutions Permian, LLC
Incident # NAPP2214845877
Site Location: Unit P, S21, T25S, R33E
(Lat 32.110607º, Long -103.571313º)
Lea County, New Mexico

To Whom it may concern:

On behalf of NGL Energy Partners (NGL), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Vaca Draw Federal SWD. This site is located at 32.110607°, -103.571313° within Unit P, S21, T25S, R33E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on May 27, 2022, caused by a gate valve failure. It resulted in the release of approximately forty (40) barrels of produced water, and thirty (30) barrels were recovered. The impacted area was on the ROW. See Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.94 miles West of the site in S20, T25S, R33E and was drilled in 1981. The well has a reported depth to groundwater of 204.36’ below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On June 16, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of seven (7) sample points and nine (9) horizontal samples were advanced to depths ranging from the surface to 5.0’ bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See

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432.813.1992

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.

Referring to Table 1, none of the samples collected (S-1 through S-7) showed benzene, total BTEX, and TPH concentrations above the regulatory limits. The areas of S-1, and S-2, showed high chloride concentrations ranging from 69.3 mg/kg to 4,690 mg/kg. During the initial assessment, vertical delineation was not achieved due to the dense rock formation encountered.

Horizontal Delineation

The areas of H-1 through H-9 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, NGL proposes to remediate the areas shown in Figure 4 and highlighted (blue) in Table 1.

- The area of S-1 and S-2 will be excavated to a depth of 5.5'- 6' below the surface and backfilled with clean material to grade.
- An estimated 330 cubic yards to be removed and hauled to the nearest disposal.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved

6.0 Conclusions

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

Sincerely,

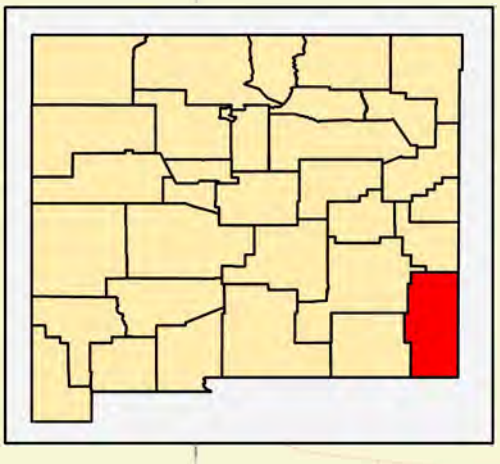
Carmona Resources, LLC

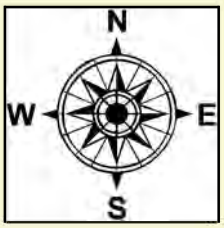
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES





128

W NM Highway 128

Ochoa

Orla Rd

652

0 2 4 8 Miles

Legend

★ Site Location

OVERVIEW MAP
NGL ENERGY PARTNERS
VACA DRAW FEDERAL SWD
LEA COUNTY, NEW MEXICO
32.110607, -103.571313

SCALE: As Shown

Date: 8/23/2022

CARMONA RESOURCES

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

NOTES:

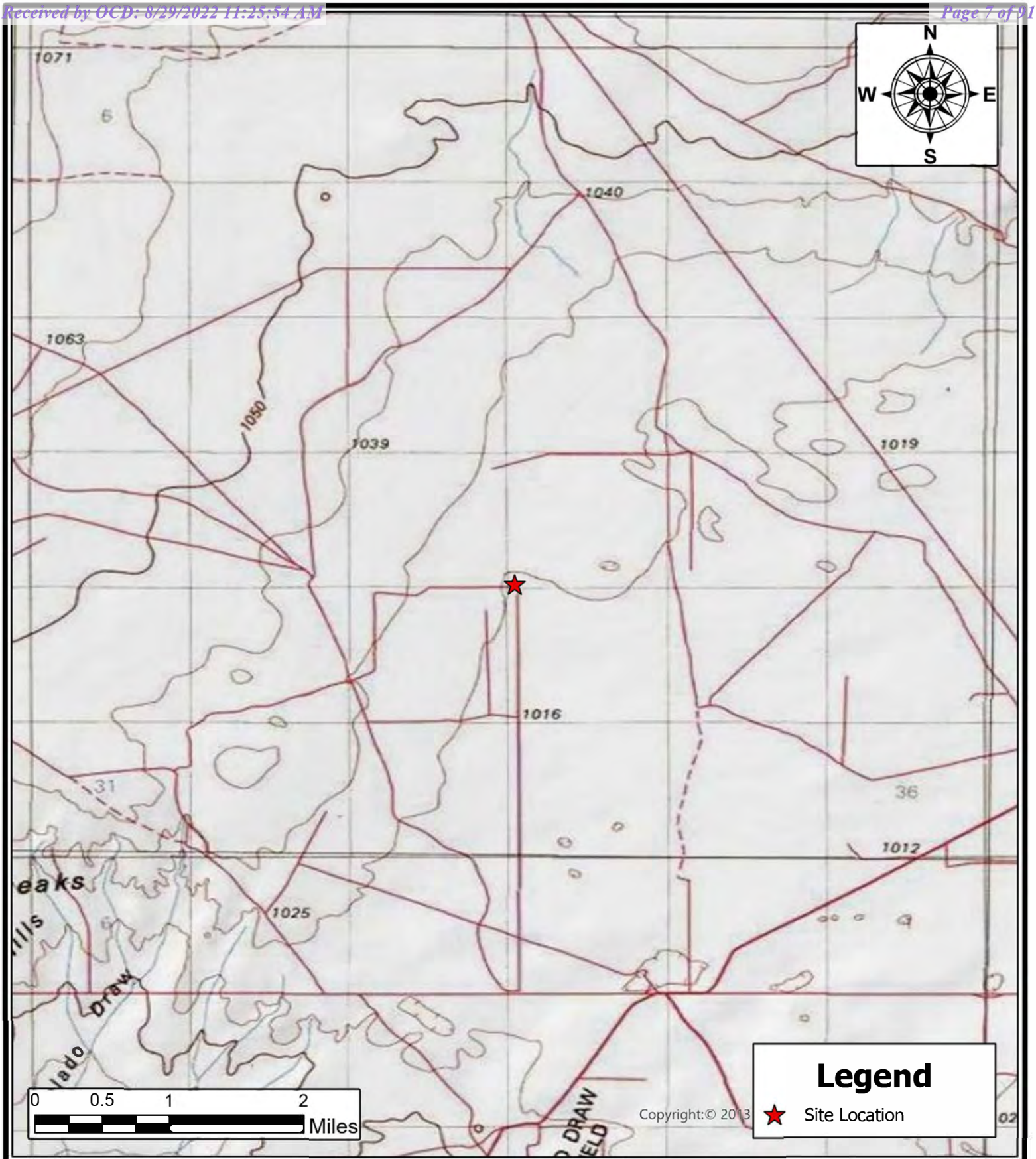
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1



TOPOGRAPHIC MAP
NGL ENERGY PARTNERS
VACA DRAW FEDERAL SWD
LEA COUNTY, NEW MEXICO
32.110607, -103.571313

SCALE: As Shown | Date: 8/23/2022

CARMONA RESOURCES

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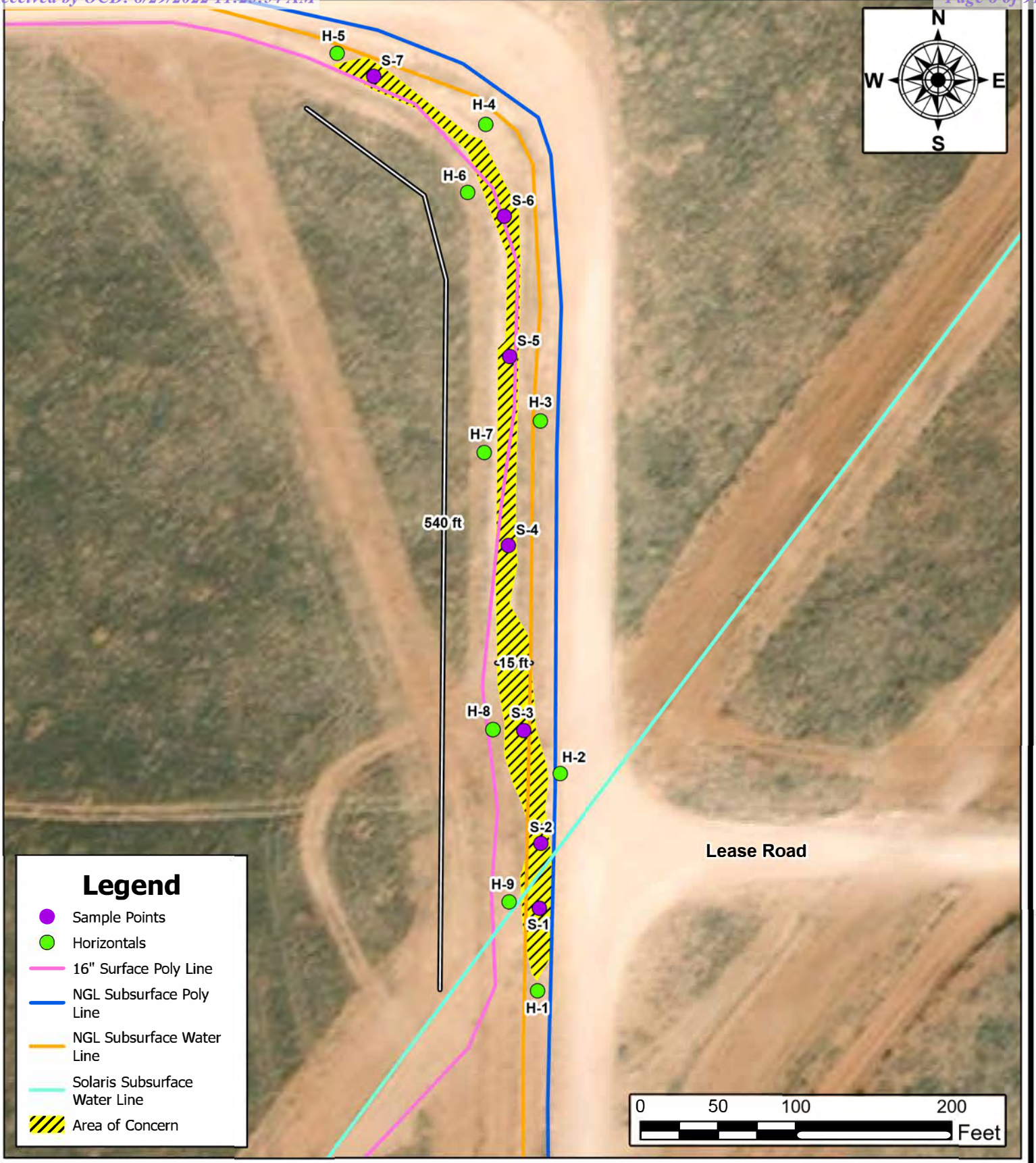
Midland, Texas 79701

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
NGL ENERGY PARTNERS
VACA DRAW FEDERAL SWD
LEA COUNTY, NEW MEXICO
32.110607, -103.571313

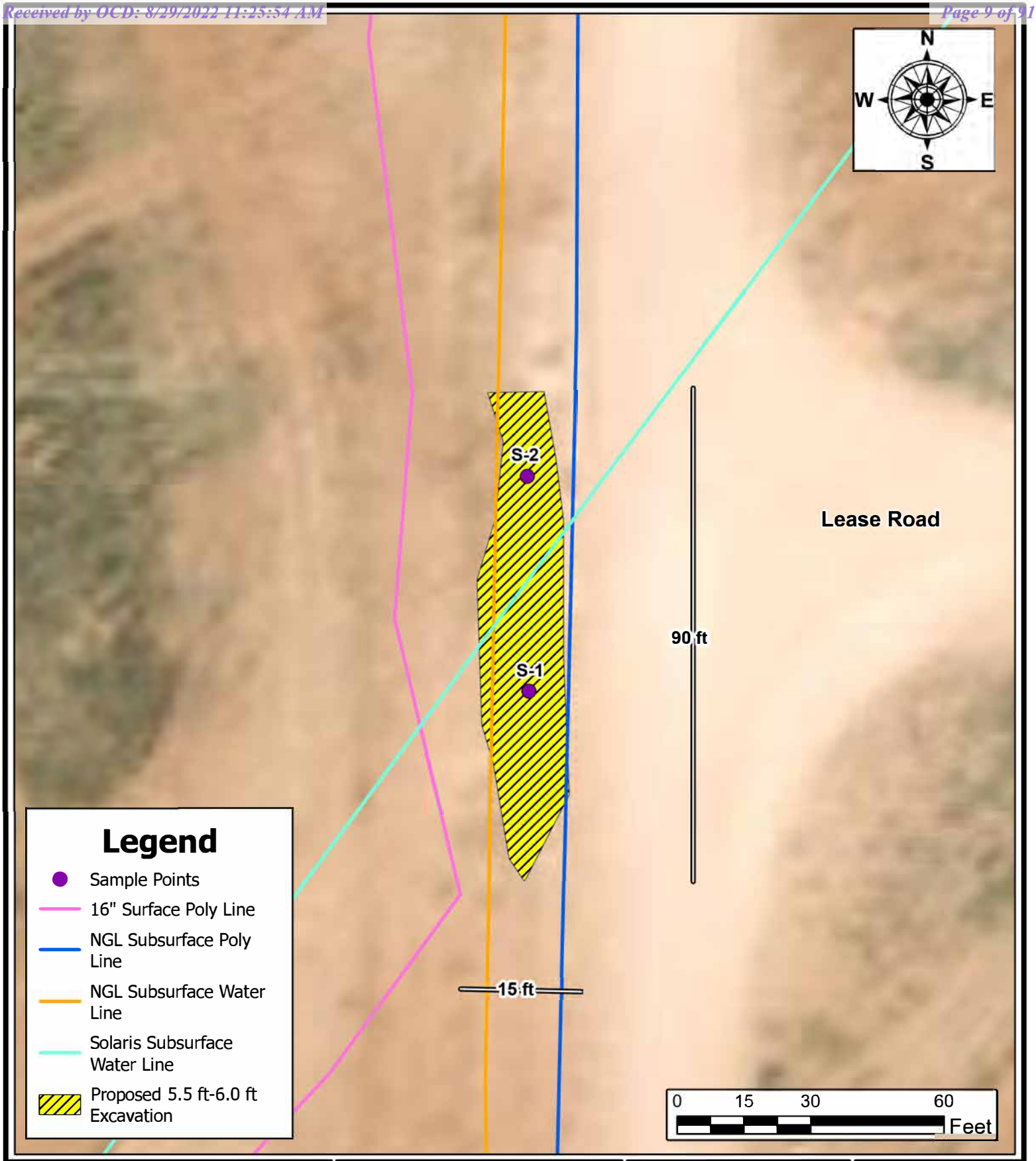
SCALE: As Shown | Date: 8/28/2022

CARMONA RESOURCES

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

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

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1



PROPOSED EXCAVATION DEPTH MAP
NGL ENERGY PARTNERS
VACA DRAW FEDERAL SWD
LEA COUNTY, NEW MEXICO
32.110607, -103.571313

SCALE: As Shown | Date: 8/28/2022

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 4
SHEET NUMBER:
1 of 1

APPENDIX A

CARMONA RESOURCES

Table 1
NGL Water Solutions Permian
Vaca Draw Federal SWD
Lea 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	6/16/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	90.9
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	75.9
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**2,050**
	"	3.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**3,210**
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**4,690**
	"	5.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**3,200**
S-2	6/16/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	94.1
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	69.3
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**2,240**
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**3,220**
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**3,930**
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**3,120**
S-3	6/16/2022	0-1	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.0
S-4	6/16/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.2
S-5	6/16/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.9
S-6	6/16/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	14.2
S-7	6/16/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.41
Regulatory Criteria [A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(T) Trench

Exceeds

Table 1
NGL Water Solutions Permian
Vaca Draw Federal SWD
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	6/16/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5.11
H-2	6/16/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.00
H-3	6/16/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.98
H-4	6/16/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	15.7
H-5	6/16/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	28.2
H-6	6/16/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.8
H-7	6/16/2022	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.2
H-8	6/16/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.0
H-9	6/16/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.0
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(H) Horizontal

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

NGL

Photograph No. 1

Facility: Vaca Draw Federal SWD

County: Lea County, New Mexico

Description:
View Southwest, area of S-1, and S-2.

Photograph No. 2

Facility: Vaca Draw Federal SWD

County: Lea County, New Mexico

Description:
View Northeast, area of S-1, and S-2.

CARMONA RESOURCES

APPENDIX C

CARMONA RESOURCES

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2214845877
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	NGL Water Solutions Permian, LLC	OGRID	372338
Contact Name	Joseph Vargo	Contact Telephone	303-815-1010
Contact email	Joseph.Vargo@nglep.com	Incident # *(assigned by OCD)*	nAPP2214845877
Contact mailing address	865 N. Albion Street, Suite 400, Denver, CO 80220		

Location of Release Source

Latitude 32.110607 Longitude -103.571313
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Vaca Draw Federal SWD	Site Type	Saltwater Disposal
Date Release Discovered	5.27.2022	API# *(if applicable)*	30-025-23895

Unit Letter	Section	Township	Range	County
P	21	25S	33E	Lea

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) 40	Volume Recovered (bbls) 30
	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

A leak occured from a 16" poly pipe on NGL Water Solutions ROW. It began leaking at a gate valve that was being used.

NGL personnel isolated the line and installed a blind flange to stop the leak.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2214845877
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? [x] Yes [ ] No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls

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

Yes, Joseph Vargo, through NOR on 5.28.2022. Also emailed BLM on 5.28.2022.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

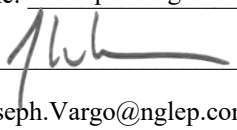
- [x] The source of the release has been stopped.
- [x] The impacted area has been secured to protect human health and the environment.
- [x] Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- [x] All free liquids and recoverable materials 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: Joseph Vargo Title: Regulatory Director

Signature:  Date: 5.31.2022

email: Joseph.Vargo@nglep.com Telephone: 303-815-1010

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

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: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 08/29/2022

Form C-141
Page 5

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: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 08/29/2022

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

Signature: Jennifer Nobui Date: 09/01/2022

APPENDIX D

CARMONA RESOURCES

LOW KARST

NGL - VACA DRAW ROW RELEASE

Legend

- Low
- Vaca Draw ROW Release

Vaca Draw ROW Release

N

2000 ft

Google Earth

NEAREST WATER WELL

NGL - VACA DRAW ROW RELEASE

USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320631103351401

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

USGS 320631103351401 25S.33E.20.443313

Lea County, New Mexico
Latitude 32°06'31", Longitude 103°35'14" NAD27
Land-surface elevation 3,398 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1981-03-25		D	62610		3192.01	NGVD29	1	Z		
1981-03-25		D	62611		3193.64	NAVD88	1	Z		
1981-03-25		D	72019	204.36			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static

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

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
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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: 2022-06-03 13:35:07 EDT
0.4 0.37 nadww01

USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320615103352601

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

USGS 320615103352601 25S.33E.20.443331

Lea County, New Mexico
Latitude 32°06'15", Longitude 103°35'26" NAD27
Land-surface elevation 3,404 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1970-12-08		D	62610		3189.60	NGVD29	1	Z		
1970-12-08		D	62611		3191.23	NAVD88	1	Z		
1970-12-08		D	72019	212.77			1	Z		
1976-01-08		D	62610		3189.40	NGVD29	1	Z		
1976-01-08		D	62611		3191.03	NAVD88	1	Z		
1976-01-08		D	72019	212.97			1	Z		

Explanation

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

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
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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: 2022-06-03 13:33:03 EDT
0.31 0.28 nadww02

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 02313	2	3	3	26	25S	33E	636971	3552098*

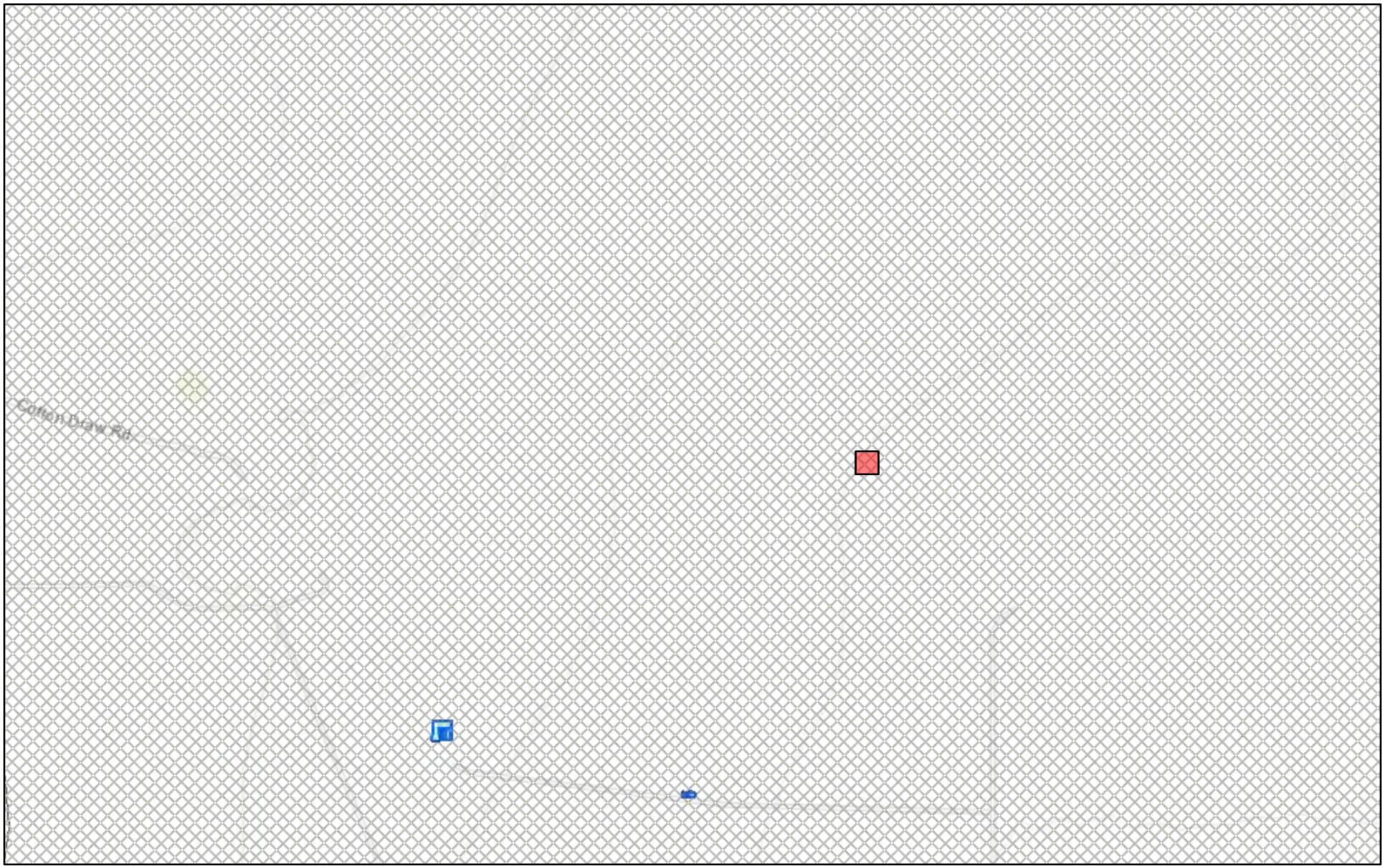
Driller License: **Driller Company:**

Driller Name: UNKNOWN

Drill Start Date:	01/01/1925	**Drill Finish Date:**	06/30/1925	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	60 GPM
Casing Size:	6.88	**Depth Well:**	150 feet	**Depth Water:**	110 feet

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

New Mexico NFHL Data



June 3, 2022

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

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

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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: 880-16078-1
Laboratory Sample Delivery Group: Lea Co. NM
Client Project/Site: Vaca Draw ROW Release

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

Attn: Conner Moehring

JKramer

Authorized for release by:
6/28/2022 7:28:05 PM

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: Vaca Draw ROW Release

Laboratory Job ID: 880-16078-1
SDG: Lea Co. NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources Job ID: 880-16078-1
Project/Site: Vaca Draw ROW Release SDG: Lea Co. NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Job ID: 880-16078-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-16078-1

Receipt
The samples were received on 6/20/2022 2:33 PM. 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 3.0°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-16078-1), S-1 (1.5') (880-16078-2), S-1 (2') (880-16078-3), S-1 (3') (880-16078-4), S-1 (4') (880-16078-5) and (CCV 880-28002/51). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-28110 and analytical batch 880-28092 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28109 and 880-28109 and analytical batch 880-28093 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-28002/33), (LCS 880-28068/1-A) and (LCSD 880-28068/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (820-4663-A-74-C MS) and (820-4663-A-74-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (820-4663-A-74-E). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-28057 and analytical batch 880-28168 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 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28058 and 880-28058 and analytical batch 880-28228 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28058 and analytical batch 880-28228 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.

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-1
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/21/22 15:28	06/22/22 11:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/21/22 15:28	06/22/22 11:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/21/22 15:28	06/22/22 11:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/21/22 15:28	06/22/22 11:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/21/22 15:28	06/22/22 11:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/21/22 15:28	06/22/22 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*06/21/22 15:28*	*06/22/22 11:45*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*06/21/22 15:28*	*06/22/22 11:45*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 13:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 13:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 13:17	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*06/21/22 09:55*	*06/21/22 13:17*	*1*
o-Terphenyl	*119*		*70 - 130*	*06/21/22 09:55*	*06/21/22 13:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.9**	**F1**	5.03		mg/Kg			06/25/22 22:57	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-16078-2
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/21/22 15:28	06/22/22 12:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/21/22 15:28	06/22/22 12:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/21/22 15:28	06/22/22 12:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/21/22 15:28	06/22/22 12:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/21/22 15:28	06/22/22 12:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/21/22 15:28	06/22/22 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*06/21/22 15:28*	*06/22/22 12:11*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*06/21/22 15:28*	*06/22/22 12:11*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-16078-2
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 14:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 14:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 14:19	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/21/22 09:55*	*06/21/22 14:19*	*1*
o-Terphenyl	*111*		*70 - 130*	*06/21/22 09:55*	*06/21/22 14:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.9**		5.05		mg/Kg			06/25/22 23:21	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-16078-3
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/21/22 15:28	06/22/22 12:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/21/22 15:28	06/22/22 12:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/21/22 15:28	06/22/22 12:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/21/22 15:28	06/22/22 12:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/21/22 15:28	06/22/22 12:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/21/22 15:28	06/22/22 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*06/21/22 15:28*	*06/22/22 12:37*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*06/21/22 15:28*	*06/22/22 12:37*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 14:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Client Sample ID: S-1 (2')

Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Lab Sample ID: 880-16078-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 14:39	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 14:39	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*06/21/22 09:55*	*06/21/22 14:39*	*1*
o-Terphenyl	*123*		*70 - 130*	*06/21/22 09:55*	*06/21/22 14:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2050**		25.2		mg/Kg			06/25/22 23:29	5

Client Sample ID: S-1 (3')

Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Lab Sample ID: 880-16078-4
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		06/21/22 15:28	06/22/22 13:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/21/22 15:28	06/22/22 13:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/21/22 15:28	06/22/22 13:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/21/22 15:28	06/22/22 13:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/21/22 15:28	06/22/22 13:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/21/22 15:28	06/22/22 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*06/21/22 15:28*	*06/22/22 13:03*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*06/21/22 15:28*	*06/22/22 13:03*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 15:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/21/22 09:55	06/21/22 15:00	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/21/22 09:55	06/21/22 15:00	1
Total TPH	<49.8	U	49.8		mg/Kg		06/21/22 09:55	06/21/22 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*06/21/22 09:55*	*06/21/22 15:00*	*1*
o-Terphenyl	*105*		*70 - 130*	*06/21/22 09:55*	*06/21/22 15:00*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Client Sample ID: S-1 (3')

Lab Sample ID: 880-16078-4
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3210		24.9		mg/Kg			06/25/22 23:36	5

Client Sample ID: S-1 (4')

Lab Sample ID: 880-16078-5
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/21/22 15:28	06/22/22 13:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/21/22 15:28	06/22/22 13:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/21/22 15:28	06/22/22 13:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/21/22 15:28	06/22/22 13:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/21/22 15:28	06/22/22 13:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/21/22 15:28	06/22/22 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*06/21/22 15:28*	*06/22/22 13:29*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/21/22 15:28*	*06/22/22 13:29*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 15:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 15:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 15:21	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*06/21/22 09:55*	*06/21/22 15:21*	*1*
o-Terphenyl	*123*		*70 - 130*	*06/21/22 09:55*	*06/21/22 15:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4690		25.2		mg/Kg			06/25/22 23:44	5

Client Sample ID: S-1 (5')

Lab Sample ID: 880-16078-6
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/22/22 09:57	06/22/22 16:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 16:13	1

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Client Sample ID: S-1 (5')

Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Lab Sample ID: 880-16078-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 16:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/22 09:57	06/22/22 16:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 16:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/22 09:57	06/22/22 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/22/22 09:57*	*06/22/22 16:13*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/22/22 09:57*	*06/22/22 16:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 15:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 15:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 15:42	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*06/21/22 09:55*	*06/21/22 15:42*	*1*
o-Terphenyl	*123*		*70 - 130*	*06/21/22 09:55*	*06/21/22 15:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3200**		24.8		mg/Kg			06/26/22 00:08	5

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

Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Lab Sample ID: 880-16078-7

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		06/22/22 09:57	06/22/22 17:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 17:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 17:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/22 09:57	06/22/22 17:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 17:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/22 09:57	06/22/22 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*06/22/22 09:57*	*06/22/22 17:02*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/22/22 09:57*	*06/22/22 17:02*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-7
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 16:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 16:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 16:03	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*06/21/22 09:55*	*06/21/22 16:03*	*1*
o-Terphenyl	*103*		*70 - 130*	*06/21/22 09:55*	*06/21/22 16:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.1**		4.96		mg/Kg			06/26/22 00:16	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-16078-8
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/22/22 09:57	06/22/22 17:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 17:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 17:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 17:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 17:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/22/22 09:57*	*06/22/22 17:22*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/22/22 09:57*	*06/22/22 17:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 16:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-16078-8
Date Collected: 06/16/22 00:00
Matrix: Solid
Date Received: 06/20/22 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 16:24	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 16:24	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*06/21/22 09:55*	*06/21/22 16:24*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/21/22 09:55*	*06/21/22 16:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**69.3**		4.95		mg/Kg			06/26/22 00:24	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-16078-9
Date Collected: 06/16/22 00:00
Matrix: Solid
Date Received: 06/20/22 14:33

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		06/22/22 09:57	06/22/22 17:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 17:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 17:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 17:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 17:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/22/22 09:57*	*06/22/22 17:43*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/22/22 09:57*	*06/22/22 17:43*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 16:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 16:44	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 16:44	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/21/22 09:55*	*06/21/22 16:44*	*1*
o-Terphenyl	*116*		*70 - 130*	*06/21/22 09:55*	*06/21/22 16:44*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Client Sample ID: S-2 (2')

Lab Sample ID: 880-16078-9
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2240		24.9		mg/Kg			06/26/22 00:31	5

Client Sample ID: S-2 (3')

Lab Sample ID: 880-16078-10
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/22/22 09:57	06/22/22 18:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 18:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 18:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/22 09:57	06/22/22 18:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 18:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/22 09:57	06/22/22 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/22/22 09:57*	*06/22/22 18:03*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*06/22/22 09:57*	*06/22/22 18:03*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 17:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 17:05	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 17:05	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*06/21/22 09:55*	*06/21/22 17:05*	*1*
o-Terphenyl	*112*		*70 - 130*	*06/21/22 09:55*	*06/21/22 17:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3220		24.9		mg/Kg			06/26/22 00:39	5

Client Sample ID: S-2 (4')

Lab Sample ID: 880-16078-11
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/22/22 09:57	06/22/22 18:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 18:24	1

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Client Sample ID: S-2 (4')

Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Lab Sample ID: 880-16078-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 18:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 18:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 18:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*06/22/22 09:57*	*06/22/22 18:24*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/22/22 09:57*	*06/22/22 18:24*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 17:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 17:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 17:47	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*06/21/22 09:55*	*06/21/22 17:47*	*1*
o-Terphenyl	*120*		*70 - 130*	*06/21/22 09:55*	*06/21/22 17:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3930**	**F1**	24.9		mg/Kg			06/26/22 00:47	5

Client Sample ID: S-2 (5')

Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Lab Sample ID: 880-16078-12

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		06/22/22 09:57	06/22/22 18:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 18:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 18:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/22 09:57	06/22/22 18:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 18:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/22 09:57	06/22/22 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*06/22/22 09:57*	*06/22/22 18:44*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/22/22 09:57*	*06/22/22 18:44*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Client Sample ID: S-2 (5')

Lab Sample ID: 880-16078-12
Date Collected: 06/16/22 00:00
Matrix: Solid
Date Received: 06/20/22 14:33

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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 18:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 18:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 18:08	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*06/21/22 09:55*	*06/21/22 18:08*	*1*
o-Terphenyl	*110*		*70 - 130*	*06/21/22 09:55*	*06/21/22 18:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3120**		24.9		mg/Kg			06/28/22 13:04	5

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

Lab Sample ID: 880-16078-13
Date Collected: 06/16/22 00:00
Matrix: Solid
Date Received: 06/20/22 14:33

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		06/22/22 09:57	06/22/22 19:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 19:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 19:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 19:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 19:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*06/22/22 09:57*	*06/22/22 19:05*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/22/22 09:57*	*06/22/22 19:05*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 18:29	1

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-13
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/21/22 09:55	06/21/22 18:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/21/22 09:55	06/21/22 18:29	1
Total TPH	<49.8	U	49.8		mg/Kg		06/21/22 09:55	06/21/22 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*06/21/22 09:55*	*06/21/22 18:29*	*1*
o-Terphenyl	*99*		*70 - 130*	*06/21/22 09:55*	*06/21/22 18:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.0**		5.02		mg/Kg			06/26/22 01:18	1

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

Lab Sample ID: 880-16078-14
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/22/22 09:57	06/22/22 19:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 19:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 19:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/22 09:57	06/22/22 19:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:57	06/22/22 19:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/22 09:57	06/22/22 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*06/22/22 09:57*	*06/22/22 19:25*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/22/22 09:57*	*06/22/22 19:25*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 18:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 18:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 18:50	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*06/21/22 09:55*	*06/21/22 18:50*	*1*
o-Terphenyl	*101*		*70 - 130*	*06/21/22 09:55*	*06/21/22 18:50*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-14
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.2		5.02		mg/Kg			06/26/22 01:42	1

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

Lab Sample ID: 880-16078-15
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/22/22 09:57	06/22/22 19:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 19:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 19:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 19:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 19:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*06/22/22 09:57*	*06/22/22 19:46*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/22/22 09:57*	*06/22/22 19:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 19:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 19:11	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 19:11	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*06/21/22 09:55*	*06/21/22 19:11*	*1*
o-Terphenyl	*105*		*70 - 130*	*06/21/22 09:55*	*06/21/22 19:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.9		4.98		mg/Kg			06/26/22 01:50	1

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

Lab Sample ID: 880-16078-16
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/22/22 09:54	06/22/22 17:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:54	06/22/22 17:02	1

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-16
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:54	06/22/22 17:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/22/22 09:54	06/22/22 17:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:54	06/22/22 17:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/22/22 09:54	06/22/22 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/22/22 09:54*	*06/22/22 17:02*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/22/22 09:54*	*06/22/22 17:02*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 19:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 19:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 19:32	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*06/21/22 09:55*	*06/21/22 19:32*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/21/22 09:55*	*06/21/22 19:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.2**		5.01		mg/Kg			06/26/22 01:58	1

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

Lab Sample ID: 880-16078-17
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/22/22 09:54	06/22/22 17:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:54	06/22/22 17:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:54	06/22/22 17:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 09:54	06/22/22 17:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:54	06/22/22 17:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 09:54	06/22/22 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/22/22 09:54*	*06/22/22 17:22*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*06/22/22 09:54*	*06/22/22 17:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-17
Date Collected: 06/16/22 00:00
Matrix: Solid
Date Received: 06/20/22 14:33

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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 19:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 19:52	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*06/21/22 09:55*	*06/21/22 19:52*	*1*
o-Terphenyl	*105*		*70 - 130*	*06/21/22 09:55*	*06/21/22 19:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.41**		4.98		mg/Kg			06/26/22 02:06	1

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

Lab Sample ID: 880-16078-18
Date Collected: 06/16/22 00:00
Matrix: Solid
Date Received: 06/20/22 14:33

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		06/22/22 09:54	06/22/22 17:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:54	06/22/22 17:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:54	06/22/22 17:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/22 09:54	06/22/22 17:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:54	06/22/22 17:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/22 09:54	06/22/22 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/22/22 09:54*	*06/22/22 17:43*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*06/22/22 09:54*	*06/22/22 17:43*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 20:13	1

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-18
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 20:13	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 20:13	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*06/21/22 09:55*	*06/21/22 20:13*	*1*
o-Terphenyl	*92*		*70 - 130*	*06/21/22 09:55*	*06/21/22 20:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.11		5.05		mg/Kg			06/26/22 02:13	1

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

Lab Sample ID: 880-16078-19
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/22/22 09:54	06/22/22 18:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:54	06/22/22 18:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:54	06/22/22 18:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 09:54	06/22/22 18:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:54	06/22/22 18:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 09:54	06/22/22 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*06/22/22 09:54*	*06/22/22 18:04*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*06/22/22 09:54*	*06/22/22 18:04*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 20:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 20:34	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 20:34	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/22 09:55	06/21/22 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*06/21/22 09:55*	*06/21/22 20:34*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/21/22 09:55*	*06/21/22 20:34*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-19
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.00		4.96		mg/Kg			06/26/22 02:21	1

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

Lab Sample ID: 880-16078-20
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/23/22 08:59	06/23/22 11:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 11:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 11:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/23/22 08:59	06/23/22 11:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 11:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/23/22 08:59	06/23/22 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/23/22 08:59*	*06/23/22 11:56*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/23/22 08:59*	*06/23/22 11:56*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 09:55	06/21/22 20:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 20:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 20:55	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*06/21/22 09:55*	*06/21/22 20:55*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/21/22 09:55*	*06/21/22 20:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			06/26/22 02:29	1

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

Lab Sample ID: 880-16078-21
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/23/22 08:59	06/23/22 12:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 12:16	1

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Lab Sample ID: 880-16078-21

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 12:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/23/22 08:59	06/23/22 12:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 12:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/23/22 08:59	06/23/22 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*06/23/22 08:59*	*06/23/22 12:16*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/23/22 08:59*	*06/23/22 12:16*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 11:35	06/21/22 22:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/22 11:35	06/21/22 22:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/22 11:35	06/21/22 22:39	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/22 11:35	06/21/22 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/21/22 11:35*	*06/21/22 22:39*	*1*
o-Terphenyl	*111*		*70 - 130*	*06/21/22 11:35*	*06/21/22 22:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.7**		4.95		mg/Kg			06/23/22 11:06	1

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

Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Lab Sample ID: 880-16078-22

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		06/23/22 08:59	06/23/22 12:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/22 08:59	06/23/22 12:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/22 08:59	06/23/22 12:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/22 08:59	06/23/22 12:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/22 08:59	06/23/22 12:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/22 08:59	06/23/22 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/23/22 08:59*	*06/23/22 12:37*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/23/22 08:59*	*06/23/22 12:37*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-22
Date Collected: 06/16/22 00:00
Matrix: Solid
Date Received: 06/20/22 14:33

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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 11:35	06/21/22 23:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/22 11:35	06/21/22 23:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/22 11:35	06/21/22 23:40	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/22 11:35	06/21/22 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*06/21/22 11:35*	*06/21/22 23:40*	*1*
o-Terphenyl	*106*		*70 - 130*	*06/21/22 11:35*	*06/21/22 23:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.2**	**F1**	5.00		mg/Kg			06/23/22 11:16	1

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

Lab Sample ID: 880-16078-23
Date Collected: 06/16/22 00:00
Matrix: Solid
Date Received: 06/20/22 14:33

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		06/23/22 08:59	06/23/22 12:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/22 08:59	06/23/22 12:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/22 08:59	06/23/22 12:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/22 08:59	06/23/22 12:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/22 08:59	06/23/22 12:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/22 08:59	06/23/22 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/23/22 08:59*	*06/23/22 12:57*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*06/23/22 08:59*	*06/23/22 12:57*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 11:35	06/22/22 00:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-23
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/22 11:35	06/22/22 00:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/22 11:35	06/22/22 00:01	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/22 11:35	06/22/22 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*06/21/22 11:35*	*06/22/22 00:01*	*1*
o-Terphenyl	*102*		*70 - 130*	*06/21/22 11:35*	*06/22/22 00:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.8**		5.00		mg/Kg			06/23/22 11:43	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-16078-24
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/23/22 08:59	06/23/22 13:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 13:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 13:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/23/22 08:59	06/23/22 13:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 13:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/23/22 08:59	06/23/22 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/23/22 08:59*	*06/23/22 13:18*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/23/22 08:59*	*06/23/22 13:18*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 11:35	06/22/22 00:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/21/22 11:35	06/22/22 00:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/21/22 11:35	06/22/22 00:22	1
Total TPH	<49.8	U	49.8		mg/Kg		06/21/22 11:35	06/22/22 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*06/21/22 11:35*	*06/22/22 00:22*	*1*
o-Terphenyl	*109*		*70 - 130*	*06/21/22 11:35*	*06/22/22 00:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-16078-24
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.2		5.05		mg/Kg			06/23/22 11:52	1

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-16078-25
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/23/22 08:59	06/23/22 13:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/22 08:59	06/23/22 13:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/22 08:59	06/23/22 13:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/22 08:59	06/23/22 13:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/22 08:59	06/23/22 13:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/22 08:59	06/23/22 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/23/22 08:59*	*06/23/22 13:38*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/23/22 08:59*	*06/23/22 13:38*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 11:35	06/22/22 00:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/21/22 11:35	06/22/22 00:43	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/21/22 11:35	06/22/22 00:43	1
Total TPH	<49.9	U	49.9		mg/Kg		06/21/22 11:35	06/22/22 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*06/21/22 11:35*	*06/22/22 00:43*	*1*
o-Terphenyl	*97*		*70 - 130*	*06/21/22 11:35*	*06/22/22 00:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.0		4.99		mg/Kg			06/23/22 12:20	1

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-16078-26
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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		06/23/22 08:59	06/23/22 13:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 13:59	1

Client Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Client Sample ID: H-9 (0-0.5')

Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Lab Sample ID: 880-16078-26

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 13:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/23/22 08:59	06/23/22 13:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 13:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/23/22 08:59	06/23/22 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/23/22 08:59*	*06/23/22 13:59*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/23/22 08:59*	*06/23/22 13:59*	*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			06/23/22 11:15	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			06/22/22 11:20	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		06/21/22 11:35	06/22/22 01:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/22 11:35	06/22/22 01:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/22 11:35	06/22/22 01:03	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/22 11:35	06/22/22 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*06/21/22 11:35*	*06/22/22 01:03*	*1*
o-Terphenyl	*103*		*70 - 130*	*06/21/22 11:35*	*06/22/22 01:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.0**		4.99		mg/Kg			06/23/22 12:29	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
820-4663-A-74-C MS	Matrix Spike	132 S1+	94										
820-4663-A-74-D MSD	Matrix Spike Duplicate	139 S1+	97										
880-16078-1	S-1 (0-1')	145 S1+	88										
880-16078-2	S-1 (1.5')	145 S1+	83										
880-16078-3	S-1 (2')	142 S1+	86										
880-16078-4	S-1 (3')	150 S1+	85										
880-16078-5	S-1 (4')	156 S1+	90										
880-16078-6	S-1 (5')	111	93										
880-16078-7	S-2 (0-1')	112	94										
880-16078-8	S-2 (1.5')	110	93										
880-16078-9	S-2 (2')	108	93										
880-16078-10	S-2 (3')	106	83										
880-16078-11	S-2 (4')	113	94										
880-16078-12	S-2 (5')	115	90										
880-16078-13	S-3 (0-1')	115	94										
880-16078-14	S-4 (0-1')	117	94										
880-16078-15	S-5 (0-1')	113	94										
880-16078-16	S-6 (0-1')	89	103										
880-16078-17	S-7 (0-1')	88	107										
880-16078-18	H-1 (0-0.5')	90	108										
880-16078-19	H-2 (0-0.5')	97	106										
880-16078-20	H-3 (0-0.5')	111	90										
880-16078-20 MS	H-3 (0-0.5')	103	90										
880-16078-20 MSD	H-3 (0-0.5')	100	91										
880-16078-21	H-4 (0-0.5')	112	91										
880-16078-22	H-5 (0-0.5')	110	91										
880-16078-23	H-6 (0-0.5')	111	88										
880-16078-24	H-7 (0-0.5')	107	91										
880-16078-25	H-8 (0-0.5')	111	90										
880-16078-26	H-9 (0-0.5')	110	91										
880-16162-A-1-B MS	Matrix Spike	111	97										
880-16162-A-1-C MSD	Matrix Spike Duplicate	111	99										
880-16170-A-2-B MS	Matrix Spike	89	107										
880-16170-A-2-C MSD	Matrix Spike Duplicate	90	109										
LCS 880-28068/1-A	Lab Control Sample	135 S1+	94										
LCS 880-28109/1-A	Lab Control Sample	84	104										
LCS 880-28110/1-A	Lab Control Sample	110	98										
LCS 880-28204/1-A	Lab Control Sample	111	97										
LCSD 880-28068/2-A	Lab Control Sample Dup	137 S1+	85										
LCSD 880-28109/2-A	Lab Control Sample Dup	114	100										
LCSD 880-28110/2-A	Lab Control Sample Dup	108	98										
LCSD 880-28204/2-A	Lab Control Sample Dup	111	97										
MB 880-27988/5-A	Method Blank	100	87										
MB 880-28068/5-A	Method Blank	104	85										
MB 880-28109/5-A	Method Blank	89	108										
MB 880-28110/5-A	Method Blank	102	90										
MB 880-28204/5-A	Method Blank	103	88										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-16078-1	S-1 (0-1')	109	119								
880-16078-1 MS	S-1 (0-1')	94	94								
880-16078-1 MSD	S-1 (0-1')	95	93								
880-16078-2	S-1 (1.5')	102	111								
880-16078-3	S-1 (2')	108	123								
880-16078-4	S-1 (3')	94	105								
880-16078-5	S-1 (4')	110	123								
880-16078-6	S-1 (5')	107	123								
880-16078-7	S-2 (0-1')	94	103								
880-16078-8	S-2 (1.5')	110	121								
880-16078-9	S-2 (2')	102	116								
880-16078-10	S-2 (3')	100	112								
880-16078-11	S-2 (4')	108	120								
880-16078-12	S-2 (5')	99	110								
880-16078-13	S-3 (0-1')	89	99								
880-16078-14	S-4 (0-1')	92	101								
880-16078-15	S-5 (0-1')	95	105								
880-16078-16	S-6 (0-1')	91	104								
880-16078-17	S-7 (0-1')	98	105								
880-16078-18	H-1 (0-0.5')	86	92								
880-16078-19	H-2 (0-0.5')	93	104								
880-16078-20	H-3 (0-0.5')	99	104								
880-16078-21	H-4 (0-0.5')	102	111								
880-16078-21 MS	H-4 (0-0.5')	82	79								
880-16078-21 MSD	H-4 (0-0.5')	86	82								
880-16078-22	H-5 (0-0.5')	95	106								
880-16078-23	H-6 (0-0.5')	90	102								
880-16078-24	H-7 (0-0.5')	97	109								
880-16078-25	H-8 (0-0.5')	87	97								
880-16078-26	H-9 (0-0.5')	94	103								
LCS 880-28030/2-A	Lab Control Sample	91	101								
LCS 880-28045/2-A	Lab Control Sample	104	110								
LCSD 880-28030/3-A	Lab Control Sample Dup	92	96								
LCSD 880-28045/3-A	Lab Control Sample Dup	104	113								
MB 880-28030/1-A	Method Blank	90	103								
MB 880-28045/1-A	Method Blank	102	119								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27988/5-A
Matrix: Solid
Analysis Batch: 28002

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27988

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 16:40	06/21/22 13:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 16:40	06/21/22 13:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 16:40	06/21/22 13:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/20/22 16:40	06/21/22 13:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 16:40	06/21/22 13:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/22 16:40	06/21/22 13:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/20/22 16:40*	*06/21/22 13:16*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*06/20/22 16:40*	*06/21/22 13:16*	*1*

Lab Sample ID: MB 880-28068/5-A
Matrix: Solid
Analysis Batch: 28002

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28068

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/21/22 15:28	06/22/22 02:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/21/22 15:28	06/22/22 02:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/21/22 15:28	06/22/22 02:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/21/22 15:28	06/22/22 02:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/21/22 15:28	06/22/22 02:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/21/22 15:28	06/22/22 02:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/21/22 15:28*	*06/22/22 02:45*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*06/21/22 15:28*	*06/22/22 02:45*	*1*

Lab Sample ID: LCS 880-28068/1-A
Matrix: Solid
Analysis Batch: 28002

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28068

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1029		mg/Kg		103	70 - 130
Toluene	0.100	0.1051		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1113		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2225		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1117		mg/Kg		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-28068/2-A
Matrix: Solid
Analysis Batch: 28002

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 28068

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1071		mg/Kg		107	70 - 130	4	35

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-28068/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28002 — **Prep Batch: 28068**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1109		mg/Kg		111	70 - 130	5	35
Ethylbenzene			0.100	0.1153		mg/Kg		115	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2294		mg/Kg		115	70 - 130	3	35
o-Xylene			0.100	0.1143		mg/Kg		114	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*

Lab Sample ID: 820-4663-A-74-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28002 — **Prep Batch: 28068**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.07173		mg/Kg		72	70 - 130
Toluene	<0.00201	U	0.100	0.07389		mg/Kg		74	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.07931		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1564		mg/Kg		78	70 - 130
o-Xylene	<0.00201	U	0.100	0.07677		mg/Kg		77	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 820-4663-A-74-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28002 — **Prep Batch: 28068**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.08913		mg/Kg		89	70 - 130	22	35
Toluene	<0.00201	U	0.0996	0.09006		mg/Kg		90	70 - 130	20	35
Ethylbenzene	<0.00201	U	0.0996	0.09277		mg/Kg		93	70 - 130	16	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1817		mg/Kg		91	70 - 130	15	35
o-Xylene	<0.00201	U	0.0996	0.09147		mg/Kg		92	70 - 130	17	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-28109/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28093 — **Prep Batch: 28109**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:54	06/22/22 15:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:54	06/22/22 15:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:54	06/22/22 15:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/22 09:54	06/22/22 15:18	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-28109/5-A
Matrix: Solid
Analysis Batch: 28093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28109

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 09:54	06/22/22 15:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/22 09:54	06/22/22 15:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/22/22 09:54*	*06/22/22 15:18*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*06/22/22 09:54*	*06/22/22 15:18*	*1*

Lab Sample ID: LCS 880-28109/1-A
Matrix: Solid
Analysis Batch: 28093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28109

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1111		mg/Kg		111	70 - 130
Toluene	0.100	0.09953		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.08342		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1608		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08874		mg/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-28109/2-A
Matrix: Solid
Analysis Batch: 28093

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 28109

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09307		mg/Kg		93	70 - 130	18	35
Toluene	0.100	0.1074		mg/Kg		107	70 - 130	8	35
Ethylbenzene	0.100	0.1046		mg/Kg		105	70 - 130	22	35
m-Xylene & p-Xylene	0.200	0.2178		mg/Kg		109	70 - 130	30	35
o-Xylene	0.100	0.1207		mg/Kg		121	70 - 130	31	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-16170-A-2-B MS
Matrix: Solid
Analysis Batch: 28093

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 28109

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0998	0.08502		mg/Kg		85	70 - 130
Toluene	<0.00202	U	0.0998	0.07700		mg/Kg		77	70 - 130
Ethylbenzene	<0.00202	U F1	0.0998	0.06401	F1	mg/Kg		64	70 - 130
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.1238	F1	mg/Kg		62	70 - 130
o-Xylene	<0.00202	U	0.0998	0.07016		mg/Kg		70	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16170-A-2-B MS
Matrix: Solid
Analysis Batch: 28093

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 28109

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-16170-A-2-C MSD
Matrix: Solid
Analysis Batch: 28093

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 28109

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.101	0.1023		mg/Kg		101	70 - 130	18	35
Toluene	<0.00202	U	0.101	0.08979		mg/Kg		89	70 - 130	15	35
Ethylbenzene	<0.00202	U F1	0.101	0.07376		mg/Kg		73	70 - 130	14	35
m-Xylene & p-Xylene	<0.00403	U F1	0.202	0.1398	F1	mg/Kg		69	70 - 130	12	35
o-Xylene	<0.00202	U	0.101	0.07887		mg/Kg		78	70 - 130	12	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: MB 880-28110/5-A
Matrix: Solid
Analysis Batch: 28092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 11:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 11:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 11:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 11:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 11:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 11:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/22/22 09:57	06/22/22 11:24	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/22/22 09:57	06/22/22 11:24	1

Lab Sample ID: LCS 880-28110/1-A
Matrix: Solid
Analysis Batch: 28092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28110

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1010		mg/Kg		101	70 - 130
Toluene	0.100	0.09961		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1046		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2149		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-28110/1-A
Matrix: Solid
Analysis Batch: 28092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28110

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

Lab Sample ID: LCSD 880-28110/2-A
Matrix: Solid
Analysis Batch: 28092

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 28110

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09688		mg/Kg		97	70 - 130	4	35
Toluene			0.100	0.09543		mg/Kg		95	70 - 130	4	35
Ethylbenzene			0.100	0.09857		mg/Kg		99	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2034		mg/Kg		102	70 - 130	6	35
o-Xylene			0.100	0.1027		mg/Kg		103	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-16162-A-1-B MS
Matrix: Solid
Analysis Batch: 28092

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 28110

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1	0.100	0.06858	F1	mg/Kg		68	70 - 130		
Toluene	<0.00199	U F1	0.100	0.06739	F1	mg/Kg		67	70 - 130		
Ethylbenzene	<0.00199	U F1	0.100	0.06844	F1	mg/Kg		68	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1409		mg/Kg		70	70 - 130		
o-Xylene	<0.00199	U	0.100	0.07154		mg/Kg		71	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-16162-A-1-C MSD
Matrix: Solid
Analysis Batch: 28092

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 28110

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.08709		mg/Kg		87	70 - 130	24	35
Toluene	<0.00199	U F1	0.100	0.08310		mg/Kg		83	70 - 130	21	35
Ethylbenzene	<0.00199	U F1	0.100	0.08633		mg/Kg		86	70 - 130	23	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1769		mg/Kg		88	70 - 130	23	35
o-Xylene	<0.00199	U	0.100	0.08870		mg/Kg		89	70 - 130	21	35

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

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-28204/5-A
Matrix: Solid
Analysis Batch: 28203

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 11:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 11:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 11:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/22 08:59	06/23/22 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/22 08:59	06/23/22 11:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/22 08:59	06/23/22 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/23/22 08:59*	*06/23/22 11:34*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*06/23/22 08:59*	*06/23/22 11:34*	*1*

Lab Sample ID: LCS 880-28204/1-A
Matrix: Solid
Analysis Batch: 28203

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09114		mg/Kg		91	70 - 130
Toluene	0.100	0.09051		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09526		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1977		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09916		mg/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-28204/2-A
Matrix: Solid
Analysis Batch: 28203

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 28204

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09688		mg/Kg		97	70 - 130	6	35
Toluene	0.100	0.09613		mg/Kg		96	70 - 130	6	35
Ethylbenzene	0.100	0.1026		mg/Kg		103	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2134		mg/Kg		107	70 - 130	8	35
o-Xylene	0.100	0.1069		mg/Kg		107	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-16078-20 MS
Matrix: Solid
Analysis Batch: 28203

Client Sample ID: H-3 (0-0.5')
Prep Type: Total/NA
Prep Batch: 28204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.08174		mg/Kg		82	70 - 130
Toluene	<0.00200	U	0.0996	0.09346		mg/Kg		94	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-20 MS
Matrix: Solid
Analysis Batch: 28203

Client Sample ID: H-3 (0-0.5')
Prep Type: Total/NA
Prep Batch: 28204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0996	0.1013		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2079		mg/Kg		104	70 - 130
o-Xylene	<0.00200	U	0.0996	0.1044		mg/Kg		105	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-16078-20 MSD
Matrix: Solid
Analysis Batch: 28203

Client Sample ID: H-3 (0-0.5')
Prep Type: Total/NA
Prep Batch: 28204

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.07711		mg/Kg		78	70 - 130	6	35
Toluene	<0.00200	U	0.0994	0.08727		mg/Kg		88	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.0994	0.09202		mg/Kg		93	70 - 130	10	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1870		mg/Kg		94	70 - 130	11	35
o-Xylene	<0.00200	U	0.0994	0.09287		mg/Kg		93	70 - 130	12	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

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

Lab Sample ID: MB 880-28030/1-A
Matrix: Solid
Analysis Batch: 27998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 28030

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		06/21/22 09:55	06/21/22 12:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 12:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 12:13	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/22 09:55	06/21/22 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*06/21/22 09:55*	*06/21/22 12:13*	*1*
o-Terphenyl	*103*		*70 - 130*	*06/21/22 09:55*	*06/21/22 12:13*	*1*

Lab Sample ID: LCS 880-28030/2-A
Matrix: Solid
Analysis Batch: 27998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 28030

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1025		mg/Kg		102	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-28030/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27998 — **Prep Batch: 28030**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (Over C10-C28)			1000	1051		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-28030/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27998 — **Prep Batch: 28030**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1067		mg/Kg		107	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1000		mg/Kg		100	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*96*		*70 - 130*

Lab Sample ID: 880-16078-1 MS — **Client Sample ID: S-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27998 — **Prep Batch: 28030**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	992.5		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	851.2		mg/Kg		85	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: 880-16078-1 MSD — **Client Sample ID: S-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27998 — **Prep Batch: 28030**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1019		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	871.1		mg/Kg		87	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-28045/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27998 — **Prep Batch: 28045**

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		06/21/22 11:35	06/21/22 21:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/21/22 11:35	06/21/22 21:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/21/22 11:35	06/21/22 21:37	1
Total TPH	<50.0	U	50.0		mg/Kg		06/21/22 11:35	06/21/22 21:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/21/22 11:35*	*06/21/22 21:37*	*1*
o-Terphenyl	*119*		*70 - 130*	*06/21/22 11:35*	*06/21/22 21:37*	*1*

Lab Sample ID: LCS 880-28045/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27998 — **Prep Batch: 28045**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	992.5		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1042		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: LCSD 880-28045/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27998 — **Prep Batch: 28045**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1036		mg/Kg		104	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1061		mg/Kg		106	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: 880-16078-21 MS — **Client Sample ID: H-4 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 27998 — **Prep Batch: 28045**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	905.3		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	799.1		mg/Kg		80	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-21 MS
Matrix: Solid
Analysis Batch: 27998

Client Sample ID: H-4 (0-0.5')
Prep Type: Total/NA
Prep Batch: 28045

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: 880-16078-21 MSD
Matrix: Solid
Analysis Batch: 27998

Client Sample ID: H-4 (0-0.5')
Prep Type: Total/NA
Prep Batch: 28045

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	933.1		mg/Kg		89	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	845.4		mg/Kg		85	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	82		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28057/1-A
Matrix: Solid
Analysis Batch: 28168

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			06/23/22 08:39	1

Lab Sample ID: LCS 880-28057/2-A
Matrix: Solid
Analysis Batch: 28168

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	266.8		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-28057/3-A
Matrix: Solid
Analysis Batch: 28168

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	266.1		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-16078-22 MS
Matrix: Solid
Analysis Batch: 28168

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	28.2	F1	250	184.4	F1	mg/Kg		62	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-16078-22 MSD — **Client Sample ID: H-5 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28168

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	28.2	F1	250	185.4	F1	mg/Kg		63	90 - 110	1	20

Lab Sample ID: MB 880-28058/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28228

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/25/22 22:34	1

Lab Sample ID: LCS 880-28058/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28228

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	272.3		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-28058/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28228

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	274.1		mg/Kg		110	90 - 110	1	20

Lab Sample ID: 880-16078-1 MS — **Client Sample ID: S-1 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28228

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	90.9	F1	252	363.8		mg/Kg		109	90 - 110

Lab Sample ID: 880-16078-1 MSD — **Client Sample ID: S-1 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28228

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	90.9	F1	252	370.4	F1	mg/Kg		111	90 - 110	2	20

Lab Sample ID: 880-16078-11 MS — **Client Sample ID: S-2 (4')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28228

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3930	F1	1240	5412	F1	mg/Kg		119	90 - 110

Lab Sample ID: 880-16078-11 MSD — **Client Sample ID: S-2 (4')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28228

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3930	F1	1240	5439	F1	mg/Kg		121	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

GC VOA

Prep Batch: 27988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27988/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 28002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-1	S-1 (0-1')	Total/NA	Solid	8021B	28068
880-16078-2	S-1 (1.5')	Total/NA	Solid	8021B	28068
880-16078-3	S-1 (2')	Total/NA	Solid	8021B	28068
880-16078-4	S-1 (3')	Total/NA	Solid	8021B	28068
880-16078-5	S-1 (4')	Total/NA	Solid	8021B	28068
MB 880-27988/5-A	Method Blank	Total/NA	Solid	8021B	27988
MB 880-28068/5-A	Method Blank	Total/NA	Solid	8021B	28068
LCS 880-28068/1-A	Lab Control Sample	Total/NA	Solid	8021B	28068
LCSD 880-28068/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28068
820-4663-A-74-C MS	Matrix Spike	Total/NA	Solid	8021B	28068
820-4663-A-74-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	28068

Prep Batch: 28068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-1	S-1 (0-1')	Total/NA	Solid	5035	
880-16078-2	S-1 (1.5')	Total/NA	Solid	5035	
880-16078-3	S-1 (2')	Total/NA	Solid	5035	
880-16078-4	S-1 (3')	Total/NA	Solid	5035	
880-16078-5	S-1 (4')	Total/NA	Solid	5035	
MB 880-28068/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28068/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28068/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-4663-A-74-C MS	Matrix Spike	Total/NA	Solid	5035	
820-4663-A-74-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 28092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-6	S-1 (5')	Total/NA	Solid	8021B	28110
880-16078-7	S-2 (0-1')	Total/NA	Solid	8021B	28110
880-16078-8	S-2 (1.5')	Total/NA	Solid	8021B	28110
880-16078-9	S-2 (2')	Total/NA	Solid	8021B	28110
880-16078-10	S-2 (3')	Total/NA	Solid	8021B	28110
880-16078-11	S-2 (4')	Total/NA	Solid	8021B	28110
880-16078-12	S-2 (5')	Total/NA	Solid	8021B	28110
880-16078-13	S-3 (0-1')	Total/NA	Solid	8021B	28110
880-16078-14	S-4 (0-1')	Total/NA	Solid	8021B	28110
880-16078-15	S-5 (0-1')	Total/NA	Solid	8021B	28110
MB 880-28110/5-A	Method Blank	Total/NA	Solid	8021B	28110
LCS 880-28110/1-A	Lab Control Sample	Total/NA	Solid	8021B	28110
LCSD 880-28110/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28110
880-16162-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	28110
880-16162-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	28110

Analysis Batch: 28093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-16	S-6 (0-1')	Total/NA	Solid	8021B	28109
880-16078-17	S-7 (0-1')	Total/NA	Solid	8021B	28109

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

GC VOA (Continued)

Analysis Batch: 28093 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-18	H-1 (0-0.5')	Total/NA	Solid	8021B	28109
880-16078-19	H-2 (0-0.5')	Total/NA	Solid	8021B	28109
MB 880-28109/5-A	Method Blank	Total/NA	Solid	8021B	28109
LCS 880-28109/1-A	Lab Control Sample	Total/NA	Solid	8021B	28109
LCSD 880-28109/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28109
880-16170-A-2-B MS	Matrix Spike	Total/NA	Solid	8021B	28109
880-16170-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	28109

Prep Batch: 28109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-16	S-6 (0-1')	Total/NA	Solid	5035	
880-16078-17	S-7 (0-1')	Total/NA	Solid	5035	
880-16078-18	H-1 (0-0.5')	Total/NA	Solid	5035	
880-16078-19	H-2 (0-0.5')	Total/NA	Solid	5035	
MB 880-28109/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28109/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28109/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16170-A-2-B MS	Matrix Spike	Total/NA	Solid	5035	
880-16170-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 28110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-6	S-1 (5')	Total/NA	Solid	5035	
880-16078-7	S-2 (0-1')	Total/NA	Solid	5035	
880-16078-8	S-2 (1.5')	Total/NA	Solid	5035	
880-16078-9	S-2 (2')	Total/NA	Solid	5035	
880-16078-10	S-2 (3')	Total/NA	Solid	5035	
880-16078-11	S-2 (4')	Total/NA	Solid	5035	
880-16078-12	S-2 (5')	Total/NA	Solid	5035	
880-16078-13	S-3 (0-1')	Total/NA	Solid	5035	
880-16078-14	S-4 (0-1')	Total/NA	Solid	5035	
880-16078-15	S-5 (0-1')	Total/NA	Solid	5035	
MB 880-28110/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28110/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28110/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16162-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-16162-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 28203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-20	H-3 (0-0.5')	Total/NA	Solid	8021B	28204
880-16078-21	H-4 (0-0.5')	Total/NA	Solid	8021B	28204
880-16078-22	H-5 (0-0.5')	Total/NA	Solid	8021B	28204
880-16078-23	H-6 (0-0.5')	Total/NA	Solid	8021B	28204
880-16078-24	H-7 (0-0.5')	Total/NA	Solid	8021B	28204
880-16078-25	H-8 (0-0.5')	Total/NA	Solid	8021B	28204
880-16078-26	H-9 (0-0.5')	Total/NA	Solid	8021B	28204
MB 880-28204/5-A	Method Blank	Total/NA	Solid	8021B	28204
LCS 880-28204/1-A	Lab Control Sample	Total/NA	Solid	8021B	28204
LCSD 880-28204/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28204
880-16078-20 MS	H-3 (0-0.5')	Total/NA	Solid	8021B	28204

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

GC VOA (Continued)

Analysis Batch: 28203 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-20 MSD	H-3 (0-0.5')	Total/NA	Solid	8021B	28204

Prep Batch: 28204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-20	H-3 (0-0.5')	Total/NA	Solid	5035	
880-16078-21	H-4 (0-0.5')	Total/NA	Solid	5035	
880-16078-22	H-5 (0-0.5')	Total/NA	Solid	5035	
880-16078-23	H-6 (0-0.5')	Total/NA	Solid	5035	
880-16078-24	H-7 (0-0.5')	Total/NA	Solid	5035	
880-16078-25	H-8 (0-0.5')	Total/NA	Solid	5035	
880-16078-26	H-9 (0-0.5')	Total/NA	Solid	5035	
MB 880-28204/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28204/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28204/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16078-20 MS	H-3 (0-0.5')	Total/NA	Solid	5035	
880-16078-20 MSD	H-3 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 28225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-16078-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-16078-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-16078-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-16078-5	S-1 (4')	Total/NA	Solid	Total BTEX	
880-16078-6	S-1 (5')	Total/NA	Solid	Total BTEX	
880-16078-7	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-16078-8	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-16078-9	S-2 (2')	Total/NA	Solid	Total BTEX	
880-16078-10	S-2 (3')	Total/NA	Solid	Total BTEX	
880-16078-11	S-2 (4')	Total/NA	Solid	Total BTEX	
880-16078-12	S-2 (5')	Total/NA	Solid	Total BTEX	
880-16078-13	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-16078-14	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-16078-15	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-16078-16	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-16078-17	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-16078-18	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-16078-19	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-16078-20	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-16078-21	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-16078-22	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-16078-23	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-16078-24	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-16078-25	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-16078-26	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 27998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-1	S-1 (0-1')	Total/NA	Solid	8015B NM	28030

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 27998 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-2	S-1 (1.5')	Total/NA	Solid	8015B NM	28030
880-16078-3	S-1 (2')	Total/NA	Solid	8015B NM	28030
880-16078-4	S-1 (3')	Total/NA	Solid	8015B NM	28030
880-16078-5	S-1 (4')	Total/NA	Solid	8015B NM	28030
880-16078-6	S-1 (5')	Total/NA	Solid	8015B NM	28030
880-16078-7	S-2 (0-1')	Total/NA	Solid	8015B NM	28030
880-16078-8	S-2 (1.5')	Total/NA	Solid	8015B NM	28030
880-16078-9	S-2 (2')	Total/NA	Solid	8015B NM	28030
880-16078-10	S-2 (3')	Total/NA	Solid	8015B NM	28030
880-16078-11	S-2 (4')	Total/NA	Solid	8015B NM	28030
880-16078-12	S-2 (5')	Total/NA	Solid	8015B NM	28030
880-16078-13	S-3 (0-1')	Total/NA	Solid	8015B NM	28030
880-16078-14	S-4 (0-1')	Total/NA	Solid	8015B NM	28030
880-16078-15	S-5 (0-1')	Total/NA	Solid	8015B NM	28030
880-16078-16	S-6 (0-1')	Total/NA	Solid	8015B NM	28030
880-16078-17	S-7 (0-1')	Total/NA	Solid	8015B NM	28030
880-16078-18	H-1 (0-0.5')	Total/NA	Solid	8015B NM	28030
880-16078-19	H-2 (0-0.5')	Total/NA	Solid	8015B NM	28030
880-16078-20	H-3 (0-0.5')	Total/NA	Solid	8015B NM	28030
880-16078-21	H-4 (0-0.5')	Total/NA	Solid	8015B NM	28045
880-16078-22	H-5 (0-0.5')	Total/NA	Solid	8015B NM	28045
880-16078-23	H-6 (0-0.5')	Total/NA	Solid	8015B NM	28045
880-16078-24	H-7 (0-0.5')	Total/NA	Solid	8015B NM	28045
880-16078-25	H-8 (0-0.5')	Total/NA	Solid	8015B NM	28045
880-16078-26	H-9 (0-0.5')	Total/NA	Solid	8015B NM	28045
MB 880-28030/1-A	Method Blank	Total/NA	Solid	8015B NM	28030
MB 880-28045/1-A	Method Blank	Total/NA	Solid	8015B NM	28045
LCS 880-28030/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28030
LCS 880-28045/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28045
LCSD 880-28030/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28030
LCSD 880-28045/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28045
880-16078-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	28030
880-16078-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	28030
880-16078-21 MS	H-4 (0-0.5')	Total/NA	Solid	8015B NM	28045
880-16078-21 MSD	H-4 (0-0.5')	Total/NA	Solid	8015B NM	28045

Prep Batch: 28030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-16078-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-16078-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-16078-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-16078-5	S-1 (4')	Total/NA	Solid	8015NM Prep	
880-16078-6	S-1 (5')	Total/NA	Solid	8015NM Prep	
880-16078-7	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-16078-8	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-16078-9	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-16078-10	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-16078-11	S-2 (4')	Total/NA	Solid	8015NM Prep	
880-16078-12	S-2 (5')	Total/NA	Solid	8015NM Prep	
880-16078-13	S-3 (0-1')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Prep Batch: 28030 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-14	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-16078-15	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-16078-16	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-16078-17	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-16078-18	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-16078-19	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-16078-20	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-28030/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28030/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28030/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16078-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-16078-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 28045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-21	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-16078-22	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-16078-23	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-16078-24	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-16078-25	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-16078-26	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-28045/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28045/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28045/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16078-21 MS	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-16078-21 MSD	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-16078-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-16078-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-16078-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-16078-5	S-1 (4')	Total/NA	Solid	8015 NM	
880-16078-6	S-1 (5')	Total/NA	Solid	8015 NM	
880-16078-7	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-16078-8	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-16078-9	S-2 (2')	Total/NA	Solid	8015 NM	
880-16078-10	S-2 (3')	Total/NA	Solid	8015 NM	
880-16078-11	S-2 (4')	Total/NA	Solid	8015 NM	
880-16078-12	S-2 (5')	Total/NA	Solid	8015 NM	
880-16078-13	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-16078-14	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-16078-15	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-16078-16	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-16078-17	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-16078-18	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-16078-19	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-16078-20	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-16078-21	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-16078-22	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 28125 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-23	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-16078-24	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-16078-25	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-16078-26	H-9 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 28057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-21	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-16078-22	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-16078-23	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-16078-24	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-16078-25	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-16078-26	H-9 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-28057/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28057/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28057/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16078-22 MS	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-16078-22 MSD	H-5 (0-0.5')	Soluble	Solid	DI Leach	

Leach Batch: 28058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-16078-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-16078-3	S-1 (2')	Soluble	Solid	DI Leach	
880-16078-4	S-1 (3')	Soluble	Solid	DI Leach	
880-16078-5	S-1 (4')	Soluble	Solid	DI Leach	
880-16078-6	S-1 (5')	Soluble	Solid	DI Leach	
880-16078-7	S-2 (0-1')	Soluble	Solid	DI Leach	
880-16078-8	S-2 (1.5')	Soluble	Solid	DI Leach	
880-16078-9	S-2 (2')	Soluble	Solid	DI Leach	
880-16078-10	S-2 (3')	Soluble	Solid	DI Leach	
880-16078-11	S-2 (4')	Soluble	Solid	DI Leach	
880-16078-12	S-2 (5')	Soluble	Solid	DI Leach	
880-16078-13	S-3 (0-1')	Soluble	Solid	DI Leach	
880-16078-14	S-4 (0-1')	Soluble	Solid	DI Leach	
880-16078-15	S-5 (0-1')	Soluble	Solid	DI Leach	
880-16078-16	S-6 (0-1')	Soluble	Solid	DI Leach	
880-16078-17	S-7 (0-1')	Soluble	Solid	DI Leach	
880-16078-18	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-16078-19	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-16078-20	H-3 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-28058/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28058/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28058/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16078-1 MS	S-1 (0-1')	Soluble	Solid	DI Leach	
880-16078-1 MSD	S-1 (0-1')	Soluble	Solid	DI Leach	
880-16078-11 MS	S-2 (4')	Soluble	Solid	DI Leach	
880-16078-11 MSD	S-2 (4')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

HPLC/IC

Analysis Batch: 28168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-21	H-4 (0-0.5')	Soluble	Solid	300.0	28057
880-16078-22	H-5 (0-0.5')	Soluble	Solid	300.0	28057
880-16078-23	H-6 (0-0.5')	Soluble	Solid	300.0	28057
880-16078-24	H-7 (0-0.5')	Soluble	Solid	300.0	28057
880-16078-25	H-8 (0-0.5')	Soluble	Solid	300.0	28057
880-16078-26	H-9 (0-0.5')	Soluble	Solid	300.0	28057
MB 880-28057/1-A	Method Blank	Soluble	Solid	300.0	28057
LCS 880-28057/2-A	Lab Control Sample	Soluble	Solid	300.0	28057
LCSD 880-28057/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28057
880-16078-22 MS	H-5 (0-0.5')	Soluble	Solid	300.0	28057
880-16078-22 MSD	H-5 (0-0.5')	Soluble	Solid	300.0	28057

Analysis Batch: 28228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16078-1	S-1 (0-1')	Soluble	Solid	300.0	28058
880-16078-2	S-1 (1.5')	Soluble	Solid	300.0	28058
880-16078-3	S-1 (2')	Soluble	Solid	300.0	28058
880-16078-4	S-1 (3')	Soluble	Solid	300.0	28058
880-16078-5	S-1 (4')	Soluble	Solid	300.0	28058
880-16078-6	S-1 (5')	Soluble	Solid	300.0	28058
880-16078-7	S-2 (0-1')	Soluble	Solid	300.0	28058
880-16078-8	S-2 (1.5')	Soluble	Solid	300.0	28058
880-16078-9	S-2 (2')	Soluble	Solid	300.0	28058
880-16078-10	S-2 (3')	Soluble	Solid	300.0	28058
880-16078-11	S-2 (4')	Soluble	Solid	300.0	28058
880-16078-12	S-2 (5')	Soluble	Solid	300.0	28058
880-16078-13	S-3 (0-1')	Soluble	Solid	300.0	28058
880-16078-14	S-4 (0-1')	Soluble	Solid	300.0	28058
880-16078-15	S-5 (0-1')	Soluble	Solid	300.0	28058
880-16078-16	S-6 (0-1')	Soluble	Solid	300.0	28058
880-16078-17	S-7 (0-1')	Soluble	Solid	300.0	28058
880-16078-18	H-1 (0-0.5')	Soluble	Solid	300.0	28058
880-16078-19	H-2 (0-0.5')	Soluble	Solid	300.0	28058
880-16078-20	H-3 (0-0.5')	Soluble	Solid	300.0	28058
MB 880-28058/1-A	Method Blank	Soluble	Solid	300.0	28058
LCS 880-28058/2-A	Lab Control Sample	Soluble	Solid	300.0	28058
LCSD 880-28058/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28058
880-16078-1 MS	S-1 (0-1')	Soluble	Solid	300.0	28058
880-16078-1 MSD	S-1 (0-1')	Soluble	Solid	300.0	28058
880-16078-11 MS	S-2 (4')	Soluble	Solid	300.0	28058
880-16078-11 MSD	S-2 (4')	Soluble	Solid	300.0	28058

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-1

Date Collected: 06/16/22 00:00
Matrix: Solid
Date Received: 06/20/22 14:33

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	28068	06/21/22 15:28	MR	XEN MID
Total/NA	Analysis	8021B		1			28002	06/22/22 11:45	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 13:17	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		1			28228	06/25/22 22:57	SC	XEN MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-16078-2

Date Collected: 06/16/22 00:00
Matrix: Solid
Date Received: 06/20/22 14:33

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	28068	06/21/22 15:28	MR	XEN MID
Total/NA	Analysis	8021B		1			28002	06/22/22 12:11	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 14:19	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		1			28228	06/25/22 23:21	SC	XEN MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-16078-3

Date Collected: 06/16/22 00:00
Matrix: Solid
Date Received: 06/20/22 14:33

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	28068	06/21/22 15:28	MR	XEN MID
Total/NA	Analysis	8021B		1			28002	06/22/22 12:37	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 14:39	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		5			28228	06/25/22 23:29	SC	XEN MID

Client Sample ID: S-1 (3')

Lab Sample ID: 880-16078-4

Date Collected: 06/16/22 00:00
Matrix: Solid
Date Received: 06/20/22 14:33

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	28068	06/21/22 15:28	MR	XEN MID
Total/NA	Analysis	8021B		1			28002	06/22/22 13:03	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Client Sample ID: S-1 (3')
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Lab Sample ID: 880-16078-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 15:00	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		5			28228	06/25/22 23:36	SC	XEN MID

Client Sample ID: S-1 (4')
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Lab Sample ID: 880-16078-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	28068	06/21/22 15:28	MR	XEN MID
Total/NA	Analysis	8021B		1			28002	06/22/22 13:29	EL	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 15:21	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		5			28228	06/25/22 23:44	SC	XEN MID

Client Sample ID: S-1 (5')
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Lab Sample ID: 880-16078-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	28110	06/22/22 09:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 16:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 15:42	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		5			28228	06/26/22 00:08	SC	XEN MID

Client Sample ID: S-2 (0-1')
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Lab Sample ID: 880-16078-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	28110	06/22/22 09:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 17:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 16:03	SM	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-7
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		1			28228	06/26/22 00:16	SC	XEN MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-16078-8
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28110	06/22/22 09:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 17:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 16:24	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		1			28228	06/26/22 00:24	SC	XEN MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-16078-9
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28110	06/22/22 09:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 17:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 16:44	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		5			28228	06/26/22 00:31	SC	XEN MID

Client Sample ID: S-2 (3')

Lab Sample ID: 880-16078-10
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28110	06/22/22 09:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 18:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 17:05	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		5			28228	06/26/22 00:39	SC	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Client Sample ID: S-2 (4')

Lab Sample ID: 880-16078-11
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28110	06/22/22 09:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 18:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 17:47	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		5			28228	06/26/22 00:47	SC	XEN MID

Client Sample ID: S-2 (5')

Lab Sample ID: 880-16078-12
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28110	06/22/22 09:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 18:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 18:08	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		5			28228	06/28/22 13:04	SC	XEN MID

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

Lab Sample ID: 880-16078-13
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28110	06/22/22 09:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 19:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 18:29	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		1			28228	06/26/22 01:18	SC	XEN MID

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

Lab Sample ID: 880-16078-14
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28110	06/22/22 09:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 19:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-14

Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 18:50	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		1			28228	06/26/22 01:42	SC	XEN MID

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

Lab Sample ID: 880-16078-15

Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28110	06/22/22 09:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 19:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 19:11	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		1			28228	06/26/22 01:50	SC	XEN MID

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

Lab Sample ID: 880-16078-16

Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28109	06/22/22 09:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28093	06/22/22 17:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 19:32	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		1			28228	06/26/22 01:58	SC	XEN MID

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

Lab Sample ID: 880-16078-17

Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28109	06/22/22 09:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28093	06/22/22 17:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 19:52	SM	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-17
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		1			28228	06/26/22 02:06	SC	XEN MID

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

Lab Sample ID: 880-16078-18
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28109	06/22/22 09:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28093	06/22/22 17:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 20:13	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		1			28228	06/26/22 02:13	SC	XEN MID

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

Lab Sample ID: 880-16078-19
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28109	06/22/22 09:54	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28093	06/22/22 18:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 20:34	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		1			28228	06/26/22 02:21	SC	XEN MID

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

Lab Sample ID: 880-16078-20
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28204	06/23/22 08:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28203	06/23/22 11:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28030	06/21/22 09:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 20:55	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28058	06/21/22 13:39	SC	XEN MID
Soluble	Analysis	300.0		1			28228	06/26/22 02:29	SC	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16078-21
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28204	06/23/22 08:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28203	06/23/22 12:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28045	06/21/22 11:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 22:39	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28057	06/21/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			28168	06/23/22 11:06	CH	XEN MID

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

Lab Sample ID: 880-16078-22
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28204	06/23/22 08:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28203	06/23/22 12:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28045	06/21/22 11:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/21/22 23:40	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28057	06/21/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			28168	06/23/22 11:16	CH	XEN MID

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

Lab Sample ID: 880-16078-23
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28204	06/23/22 08:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28203	06/23/22 12:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28045	06/21/22 11:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/22/22 00:01	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28057	06/21/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			28168	06/23/22 11:43	CH	XEN MID

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-16078-24
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28204	06/23/22 08:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28203	06/23/22 13:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-16078-24
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28045	06/21/22 11:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/22/22 00:22	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28057	06/21/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			28168	06/23/22 11:52	CH	XEN MID

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-16078-25
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28204	06/23/22 08:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28203	06/23/22 13:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28045	06/21/22 11:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/22/22 00:43	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28057	06/21/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			28168	06/23/22 12:20	CH	XEN MID

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-16078-26
Matrix: Solid
Date Collected: 06/16/22 00:00
Date Received: 06/20/22 14:33

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	28204	06/23/22 08:59	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28203	06/23/22 13:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28225	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28125	06/22/22 11:20	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28045	06/21/22 11:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27998	06/22/22 01:03	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28057	06/21/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			28168	06/23/22 12:29	CH	XEN MID

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: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	OII Range Organics (Over C28-C36)
8015B NM	8015NM Prep	Solid	Total TPH
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: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea 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: Vaca Draw ROW Release

Job ID: 880-16078-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-16078-1	S-1 (0-1')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-2	S-1 (1.5')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-3	S-1 (2')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-4	S-1 (3')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-5	S-1 (4')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-6	S-1 (5')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-7	S-2 (0-1')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-8	S-2 (1.5')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-9	S-2 (2')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-10	S-2 (3')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-11	S-2 (4')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-12	S-2 (5')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-13	S-3 (0-1')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-14	S-4 (0-1')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-15	S-5 (0-1')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-16	S-6 (0-1')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-17	S-7 (0-1')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-18	H-1 (0-0.5')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-19	H-2 (0-0.5')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-20	H-3 (0-0.5')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-21	H-4 (0-0.5')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-22	H-5 (0-0.5')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-23	H-6 (0-0.5')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-24	H-7 (0-0.5')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-25	H-8 (0-0.5')	Solid	06/16/22 00:00	06/20/22 14:33
880-16078-26	H-9 (0-0.5')	Solid	06/16/22 00:00	06/20/22 14:33

Work Order No: 160078

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Project Manager	Conner Moehring	Bill to. (if different)	Joseph Vargo
Company Name.	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St. Ste 415	Address.	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	432 813 6823	Email:	joseph.vargo@nglep.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	Vaca Draw ROW Release	Turn Around	
Project Number	1072	☒ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	Standard
Sampler's Name.	CCM	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	IR2
Cooler Custody Seals	Yes No N/A	Correction Factor	-2
Sample Custody Seals.	Yes No N/A	Temperature Reading	3.2
Total Containers.		Corrected Temperature	3.0

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-1 (0-1')	6/16/2022		X		Grab/	1		X	X	X	
S-1 (1 5')	6/16/2022		X		Grab/	1		X	X	X	
S-1 (2')	6/16/2022		X		Grab/	1		X	X	X	
S-1 (3')	6/16/2022		X		Grab/	1		X	X	X	
S-1 (4')	6/16/2022		X		Grab/	1		X	X	X	
S-1 (5')	6/16/2022		X		Grab/	1		X	X	X	
S-2 (0-1')	6/16/2022		X		Grab/	1		X	X	X	
S-2 (1 5')	6/16/2022		X		Grab/	1		X	X	X	
S-2 (2')	6/16/2022		X		Grab/	1		X	X	X	
S-2 (3')	6/16/2022		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

880-16078 Chain of Custody

Additoinal Comments:

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		6/20/22 14:33	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Work Order No: 16078

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Project Manager	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St. Ste 415	Address.	865 North Albion St. Ste. 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone.	432 813.6823	Email	joseph.vargo@nglep.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.	Vaca Draw ROW Release	Turn Around	
Project Number	1072	☒ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	Standard
Sampler's Name.	CCM	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		

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-2 (4')	6/16/2022		X		Grab/	1		X	X	X		
S-2 (5')	6/16/2022		X		Grab/	1		X	X	X		
S-3 (0-1')	6/16/2022		X		Grab/	1		X	X	X		
S-4 (0-1')	6/16/2022		X		Grab/	1		X	X	X		
S-5 (0-1')	6/16/2022		X		Grab/	1		X	X	X		
S-6 (0-1')	6/16/2022		X		Grab/	1		X	X	X		
S-7 (0-1')	6/16/2022		X		Grab/	1		X	X	X		
H-1 (0-0.5')	6/16/2022		X		Grab/	1		X	X	X		
H-2 (0-0.5')	6/16/2022		X		Grab/	1		X	X	X		
H-3 (0-0.5')	6/16/2022		X		Grab/	1		X	X	X		

Additoinal Comments:

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		6/20/22 14:33	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Work Order No: 16078

Page 3 of 3

Project Manager	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address	310 W Wall St. Ste 415	Address.	865 North Albion St. Ste. 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone.	432 813 6823	Email:	joseph.vargo@nglep.com

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Vaca Draw ROW Release	Turn Around	
Project Number	1072	☒ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	Standard
Sampler's Name	CCM	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		

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
H-4 (0-0 5')	6/16/2022		X		Grab/	1		X	X	X		
H-5 (0-0.5')	6/16/2022		X		Grab/	1		X	X	X		
H-6 (0-0 5')	6/16/2022		X		Grab/	1		X	X	X		
H-7 (0-0 5')	6/16/2022		X		Grab/	1		X	X	X		
H-8 (0-0 5')	6/16/2022		X		Grab/	1		X	X	X		
H-9 (0-0 5')	6/16/2022		X		Grab/	1		X	X	X		

Parameters

Loc: 880
16078

Additoinal Comments:

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		10/20/22 14:33	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-16078-1
SDG Number: Lea Co. NM

Login Number: 16078
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	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 138859

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 138859
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than two hundred (200) square feet. Please excavate to the most stringent criteria per 19.15.29.12 NMAC.	9/1/2022