

CARMONA RESOURCES



SITE INFORMATION

Deferment Report
Dos Equis 13 Federal
Incident ID: nAPP2303832120
Lea County, New Mexico
Unit A Sec 13 T24S R32E
32.22396°, -103.62196°

Condensate Release

Point of Release: Fire on a horizontal separator causing the causing the sight glass to fail, releasing condensate.

Release Date: 02/03/2023

Volume Released: 1 Barrel of Condensate

Volume Recovered: 0 Barrels of Condensate

CARMONA RESOURCES



Prepared for:
Cimarex Energy Co.
6000 Deauville Blvd.
Suite 300N
Midland, Texas 79706

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 500
Midland, Texas 79701

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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 CONCLUSION

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC
FIGURE 3	SAMPLE LOCATION	FIGURE 4	AREA OF DEFERMENT

APPENDICES

APPENDIX A	TABLES
APPENDIX B	PHOTOS
APPENDIX C	INITIAL AND FINAL C-141/NMOCD CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION AND GROUNDWATER
APPENDIX E	LABORATORY REPORTS



June 26, 2023

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

Re: Deferment Report
Dos Equis 13 Federal
Cimarex Energy Co.
Site Location: Unit A, S13 T24S, R32E
(Lat 32.22396°, Long -103.62196°)
Lea County, New Mexico

To whom it may concern:

On behalf of Cimarex Energy Co. (Cimarex), Carmona Resources, LLC has prepared this letter to document site activities for the Dos Equis 13 Federal. The site is located at 32.22396°, -103.62196° within Unit A, S13, T24S, R32E, 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 fire was discovered on February 3, 2023, started by a material failure on the horizontal separator, causing the sight glass to fail, releasing condensate. It resulted in approximately one (1) barrel of condensate, and zero (0) barrels of condensate were recovered. The resulting fire burned through multiple areas of the falcon lined containment. Immediately after the fire was extinguished and the site was secured, a replacement falcon lined containment was scheduled to be installed. Immediately after collecting soil samples, the new containment was installed, and the facility resumed operational functions. The impacted area is located on the pad, under the containment area. Refer to Figure 3 for spill overview. 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, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is approximately 1.84 miles East of the site in S08, T24S, R33E and was drilled in 2012. The well has a reported depth to groundwater of 1,533' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

On December 1, 2021, Scarborough Drilling, Inc drilled a groundwater determination bore to 55' below ground surface on a nearby location, 0.27 miles west of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below the surface. The coordinates for the groundwater determination bore are 32.223884°, -103.626612°. See Appendix D for the log.

3.0 NMAC Regulatory Criteria

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

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



- Chloride: 10,000 mg/kg.

4.0 Site Assessment Activities

Between March 2, 2023 and March 7, 2023, Carmona Resources personnel were onsite to perform site assessment activities to evaluate soil impacts. To assess the vertical and horizontal extent, four (4) sample points (S-1 through S-4) and six (6) horizontal sample points (H-1 through H-6) were advanced to depths ranging from the surface to 2' bgs inside the area of concern. 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. Refer to Table 1. See Figure 3 for the sample locations.

Deferment Area

Between the time of assessing the receiving analytical results from the laboratory, the new falcon lined containment was installed and the facility resumed operation. The areas of S-1 and S-2 were covered the newly installed falcon lined containment. Both areas of S-1 and S-2 were fully delineated during site assessment on March 2, 2023 and resulted in elevated TPH concentrations of 1,490 mg/kg (0-0.5' bgs) and 2,060 mg/kg (0-0.25' bgs), respectively. See Figure 4 for the area of deferment.

5.0 Conclusions

Based on the analytical data from the site assessment and operational status of the facility, no further actions are required at the site until reclamation per NMAC 19.15.29.13. The final C-141 is attached, and Cimarex formally requests to defer the elevated TPH impact left in place under the newly installed falcon lined containment. The area is no more than 6 inches in thickness under the containment. Due to evidence of deep groundwater, a low karst potential, no public water supplies, no local surface water sources for wildlife, and showing full delineation the impact from this release, Cimarex has reason to believe that leaving this impact in place will not pose a threat to humans and the environment. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

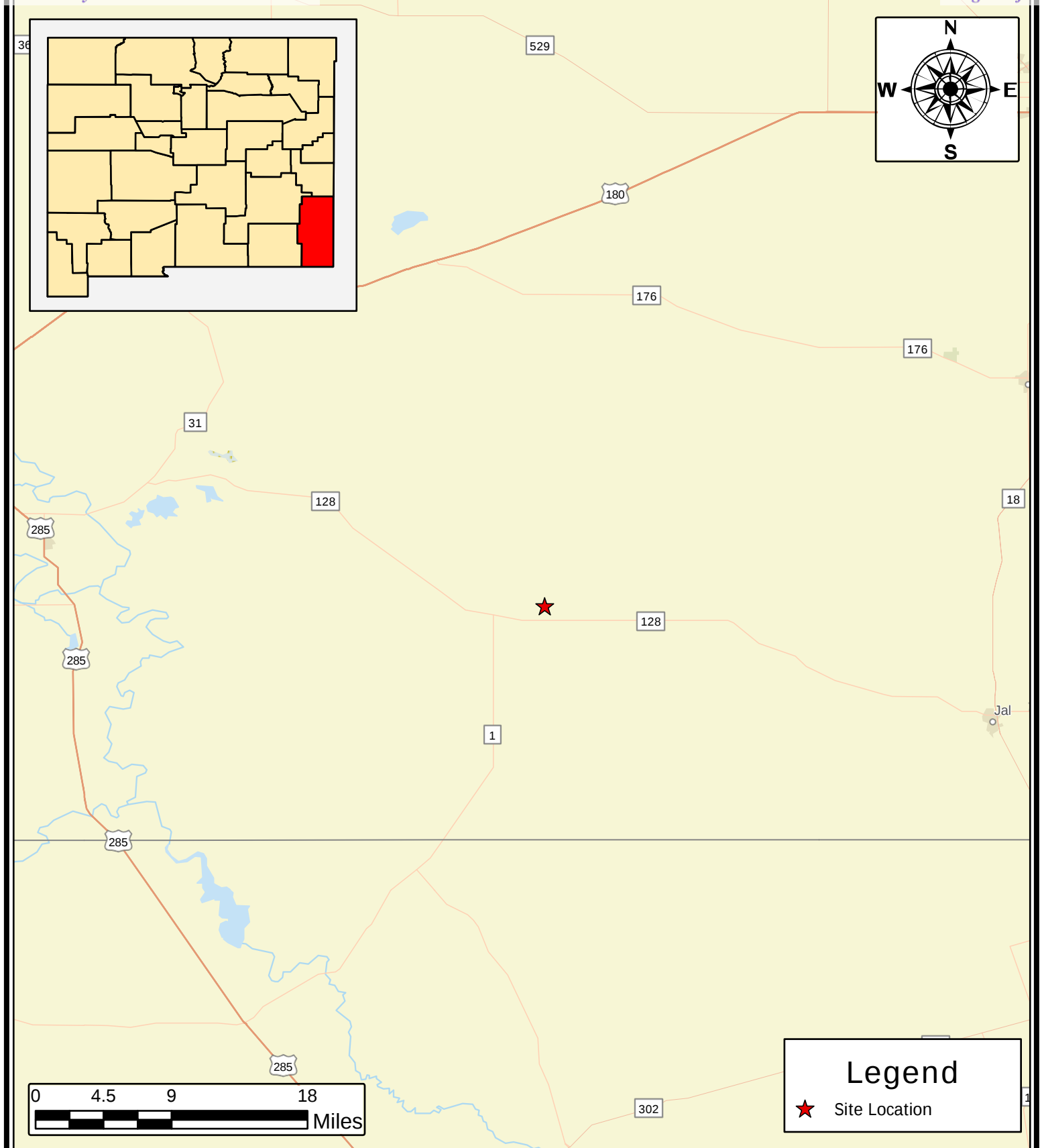
Conner Moehring
Sr. Project Manager

Ashton Thielke
Sr. Project Manager

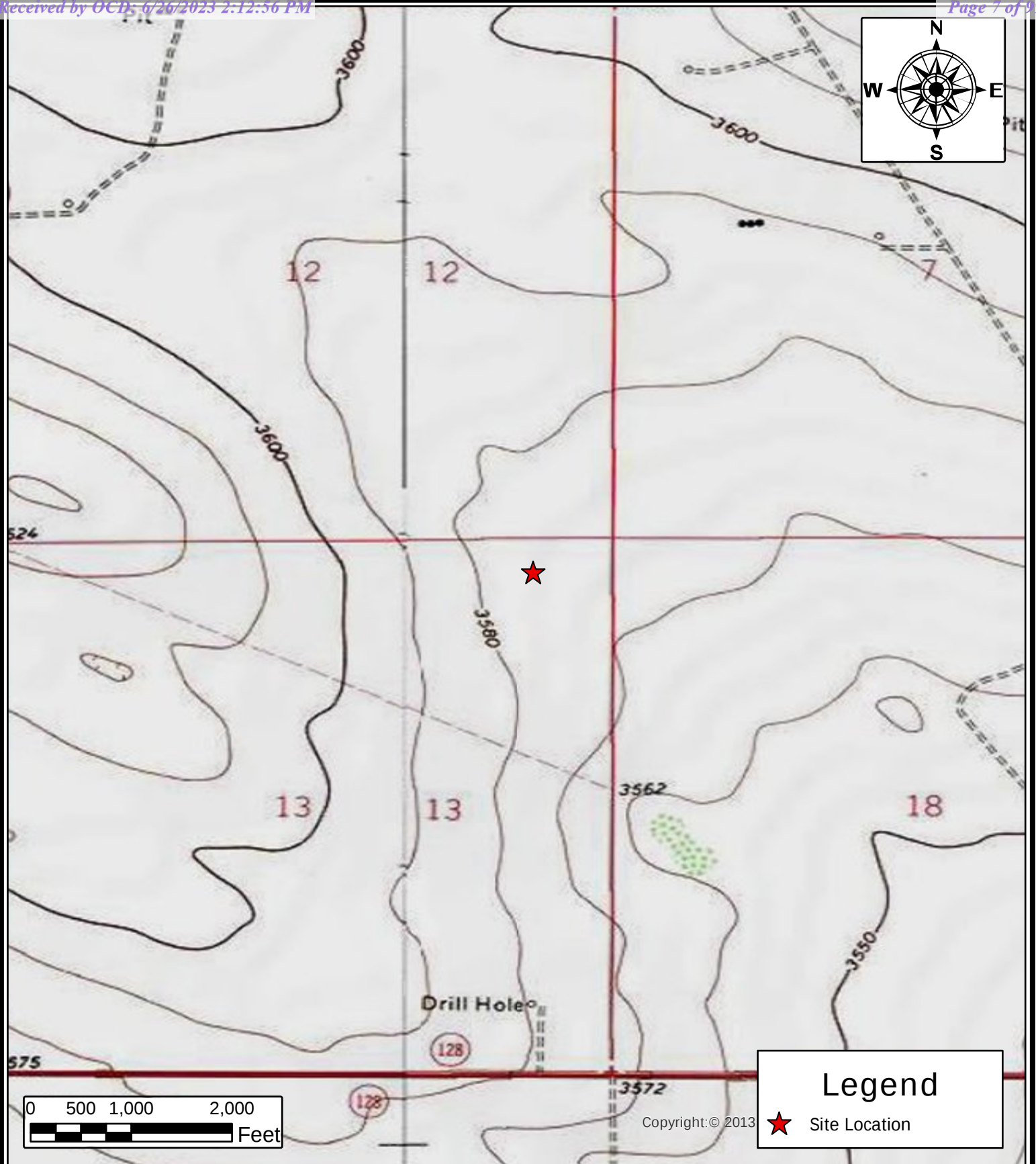
FIGURES

CARMONA RESOURCES





OVERVIEW MAP CIMAREX ENERGY CO. DOS EQUIS 13 FEDERAL LEA COUNTY, NEW MEXICO 32.223960, -103.621960	CARMONA RESOURCES  Carmona Resources 310 West Wall Street, Suite 500 Midland, Texas 79701	NOTES: 1. Base Image: ESRI Maps & Data 2023 2. Map Projection: WGS84	DRAWING NUMBER: FIGURE 1 SHEET NUMBER: 1 of 1
SCALE: As Shown	Date: 4/7/2023		

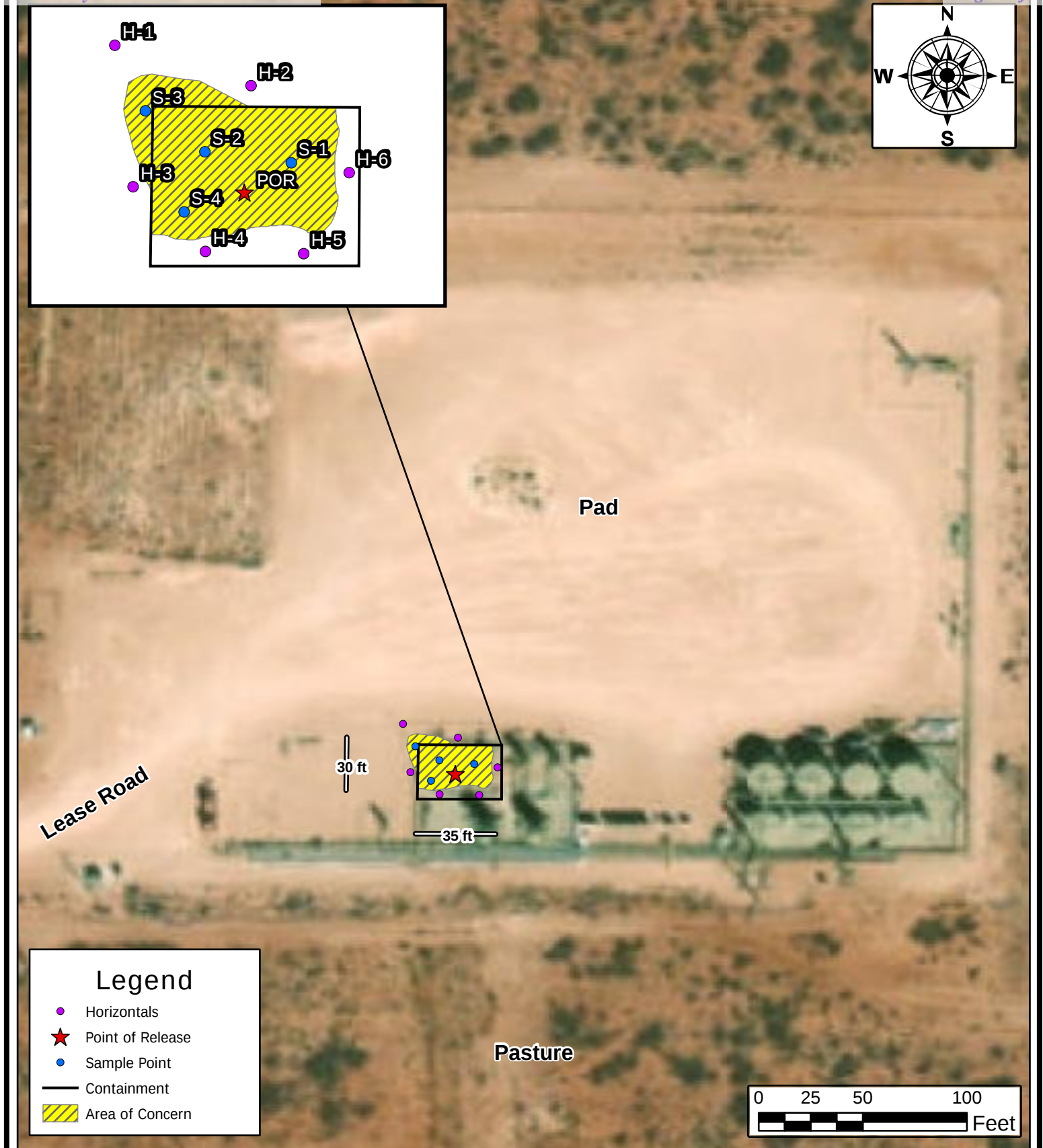


TOPOGRAPHIC MAP CIMAREX ENERGY CO. DOS EQUIS 13 FEDERAL LEA COUNTY, NEW MEXICO 32.223960, -103.621960	
SCALE: As Shown	Date: 4/7/2023

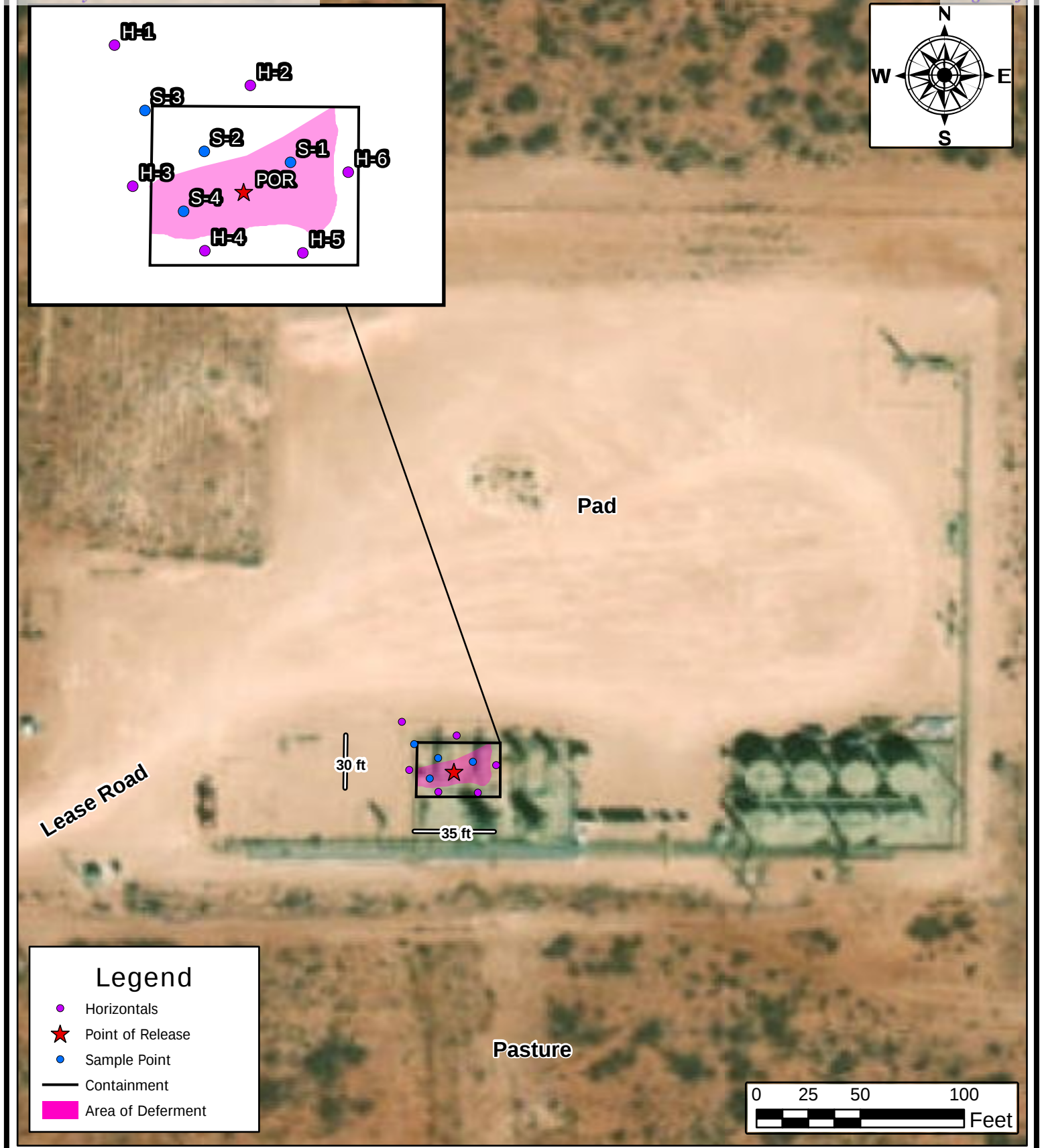
 Carmona Resources 310 West Wall Street, Suite 500 Midland, Texas 79701
--

NOTES: 1. Base Image: ESRI Maps & Data 2023 2. Map Projection: WGS84

DRAWING NUMBER: FIGURE 2
SHEET NUMBER: 1 of 1



SAMPLE LOCATION MAP CIMAREX ENERGY CO. DOS EQUIS 13 FEDERAL LEA COUNTY, NEW MEXICO 32.223960, -103.621960	CARMONA RESOURCES Carmona Resources 310 West Wall Street, Suite 500 Midland, Texas 79701	<u>NOTES:</u> 1. Base Image: ESRI Maps & Data 2023 2. Map Projection: WGS84	DRAWING NUMBER: FIGURE 3 SHEET NUMBER: 1 of 1
SCALE: As Shown	Date: 4/7/2023		



Legend

- Horizontals
- ★ Point of Release
- Sample Point
- Containment
- Area of Deferment

AREA OF DEFERMENT MAP
CIMAREX ENERGY CO.
DOS EQUIS 13 FEDERAL
LEA COUNTY, NEW MEXICO
32.223960, -103.621960

SCALE: As Shown

Date: 5/25/2023



Carmona Resources
310 West Wall Street, Suite 500
Midland, Texas 79701

NOTES:

1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

APPENDIX A

CARMONA RESOURCES



Table 1
Cimarex
Dos Equis 13 Federal CTB
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	3/2/2023	0-0.5'	<49.9	1,490	<49.9	1,490	<0.00201	<0.00200	<0.00200	<0.00399	<0.00399	1,380
	"	1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	204
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00202	<0.00199	<0.00398	<0.00398	206
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	145
S-2	3/2/2023	0-0.5'	<49.9	476	<49.9	476	<0.00200	<0.00200	0.00291	0.0064	0.00931	2,730
	"	1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	554
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	283
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	0.00499	<0.00398	0.00499	238
S-3	3/2/2023	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	881
	"	1.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	70.5
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	74.4
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	86.5
S-4	3/2/2023	0-0.25'	<50.0	2,060	<50.0	2,060	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,920
	"	0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	68.1
	"	1.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	63.3
H-1	3/2/2023	0-0.5'	<49.9	458	<49.9	458	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	110
	3/7/2023	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	71.0
H-2	3/2/2023	0-0.5'	<49.9	86.6	<49.9	86.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	51.8
H-3	3/2/2023	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	104
H-4	3/2/2023	0-0.5'	<50.0	<50.0	<50.0	<50.0	0.0024	<0.00201	<0.00201	<0.00402	<0.00402	230
H-5	3/2/2023	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	100
H-6	3/2/2023	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	212
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft - feet

(S) - Sample Point

(H) - Horizontal

Area of Deferment

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Cimarex Energy Co.

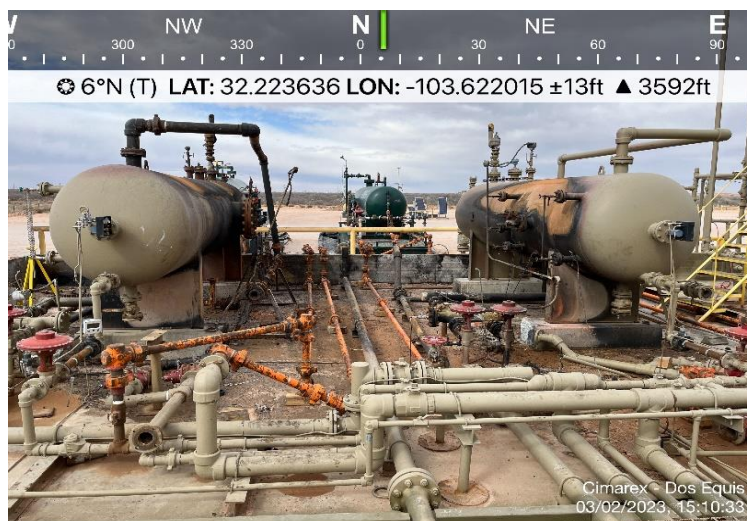
Photograph No. 1

Facility: Dos Equis 13 Federal

County: Lea County, New Mexico

Description:

View North, area of sample points (1-2).



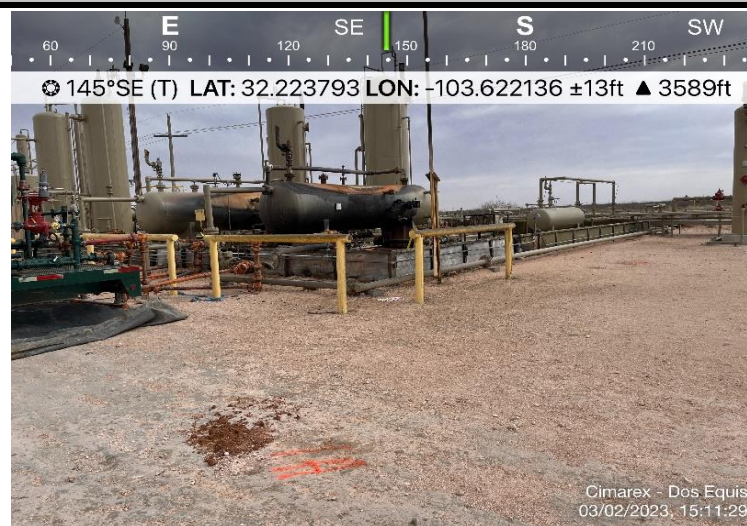
Photograph No. 2

Facility: Dos Equis 13 Federal

County: Lea County, New Mexico

Description:

View North, area sample point (3).



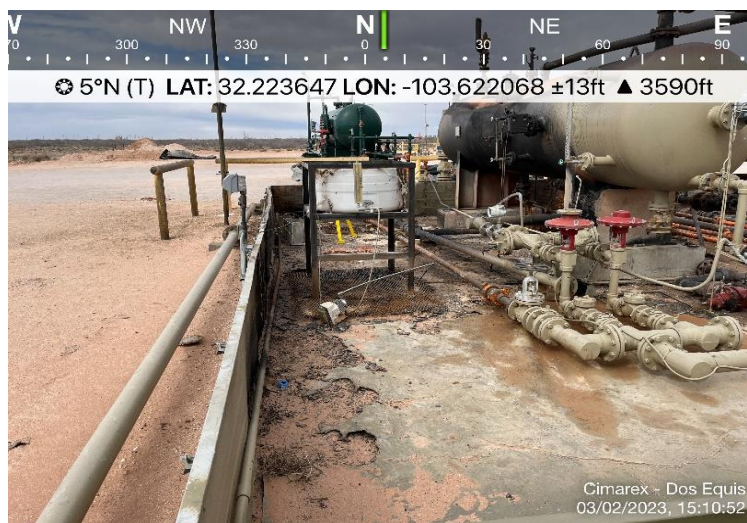
Photograph No. 3

Facility: Dos Equis 13 Federal

County: Lea County, New Mexico

Description:

View Southeast, area of sample point (4).



PHOTOGRAPHIC LOG

Cimarex Energy Co.

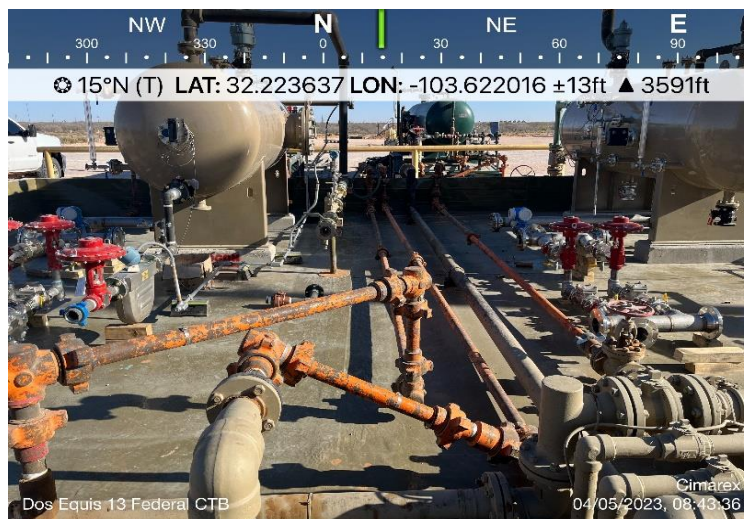
Photograph No. 4

Facility: Dos Equis 13 Federal

County: Lea County, New Mexico

Description:

View North, area of replaced containment.



Photograph No. 5

Facility: Dos Equis 13 Federal

County: Lea County, New Mexico

Description:

View Northeast, area of replaced containment.



Photograph No. 6

Facility: Dos Equis 13 Federal

County: Lea County, New Mexico

Description:

View Northeast, area of replaced containment.



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	nAPP2303832120
District RP	
Facility ID	fAPP2201728866
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co.	OGRID: 215099
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: laci.luig@coterra.com	Incident # (assigned by OCD) nAPP2303832120
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.22396 _____ Longitude -103.62196 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Dos Equis 13 Federal	Site Type: Battery
Date Release Discovered: 2/3/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
A	13	24S	32E	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)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) 1	Volume Recovered (bbls) 0
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: FIRE - Equipment Failure

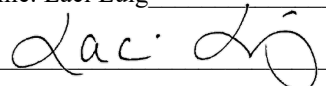
We had a fire at the Dos Equis 13 Federal tank battery at 11:30pm on Friday, February 3, 2023. The Jal fire department extinguished the fire. There were no injuries due to the fire. The cause of the fire was due to material failure. We identified that the sight glass on the horizontal separator failed, which caused an unknown amount of fluid to be released. We also identified that our ignition source was a lithium battery failure inside a Turbine Flow Meter.

Incident ID	nAPP2303832120
District RP	
Facility ID	fAPP2201728866
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Release is result of a fire.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By: Gloria Garza To: OCD Enviro, SLO By: Email	

Initial Response

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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Laci Luig	Title: ESH Specialist
Signature: 	Date: 2/7/2023
email: laci.luig@coterra.com	Telephone: (432) 208-3035
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

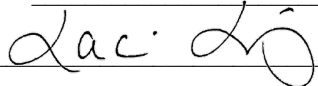
State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature:  Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 6/26/2023

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: *Shelly Wells* Date: _____
email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 6/26/2023

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

Signature: *Nelson Velez* Date: 09/20/2023

Deferral request is approved. Remediation Due date left open until the facility is decommissioned.

APPENDIX D

CARMONA RESOURCES

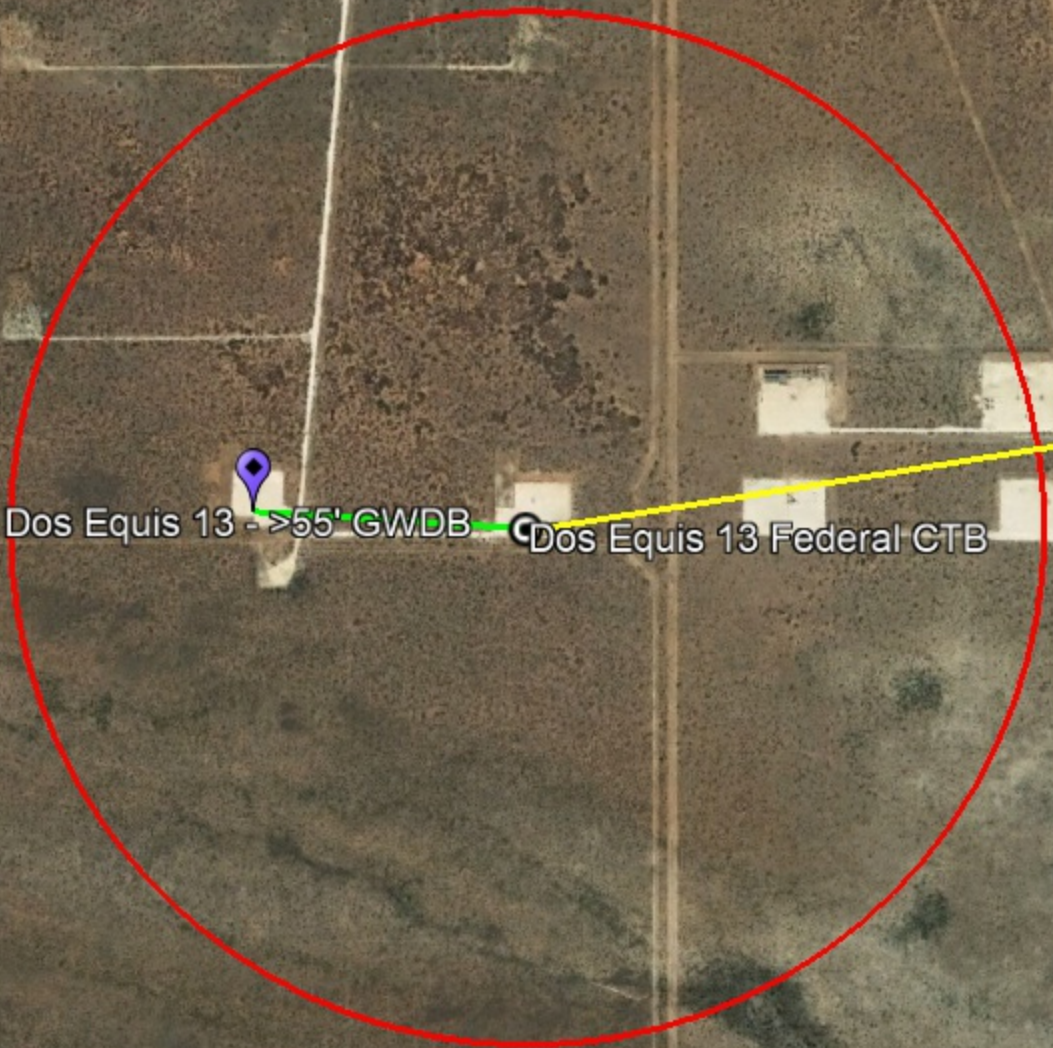


Nearest water well

Cimarex Energy Co.

Legend

- 0.27 Miles
- 0.50 Mile Radius
- 1.84 Miles
- Dos Equis 13 - >55' GWDB
- Dos Equis 13 Federal CTB
- NMSEO Water Well



Dos Equis 13 - >55' GWDB

Dos Equis 13 Federal CTB

1,533' - Drilled 2012



3000 ft

Low Karst
Cimarex Energy Co.

Legend

-  Dos Equis 13 Federal CTB
-  Low



Dos Equis 13 Federal CTB



N



2 mi

TEST HOLES • WATER WELLS

LAMESA, TEXAS 79331

2001 South Hwy. 87

WELL LOG

[illegible]

Date: _____

Date 12-1-24

Driller

Loe Seander

GIBBS PRINTING CO. - DAMESA, TX



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01932	C	ED		3	1	12	24S	32E		628633	3567188*	1656	492		
C 03565 POD3	CUB	LE		3	4	08	24S	33E		632763	3566546	2958		1533	
C 04622 POD1	CUB	LE		3	3	4	24	24S	32E	629436	3563006	3079			
C 02431	CUB	LE		4	4	4	17	24S	33E	633175	3564728*	3586	525	415	110
C 02432	CUB	LE		4	4	4	17	24S	33E	633175	3564728*	3586	640	415	225
C 04551 POD1	CUB	LE		4	4	3	31	23S	33E	630671	3569556	3593			
C 02430	CUB	LE		3	3	3	16	24S	33E	633377	3564732*	3773	643	415	228
C 03591 POD1	CUB	LE		2	1	4	05	24S	33E	632731	3568518	3791			
C 03528 POD1	C	LE		1	1	2	15	24S	32E	626040	3566129	3805	541	133	408

Average Depth to Water: **582 feet**

Minimum Depth: **133 feet**

Maximum Depth: **1533 feet**

Record Count: 9

UTM NAD83 Radius Search (in meters):

Easting (X): 629845

Northing (Y): 3566059

Radius: 4000

*UTM location was derived from PLSS - see Help

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

4/4/23 9:37 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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	03565 POD3	3	4	08	24S	33E	632763	3566546	

Driller License: 331 **Driller Company:** SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.

Driller Name:

Drill Start Date: 09/27/2012 **Drill Finish Date:** 10/21/2012 **Plug Date:**

Log File Date: 12/11/2012 **PCW Rev Date:** **Source:**

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

Casing Size: 8.90 **Depth Well:** **Depth Water:** 1533 feet

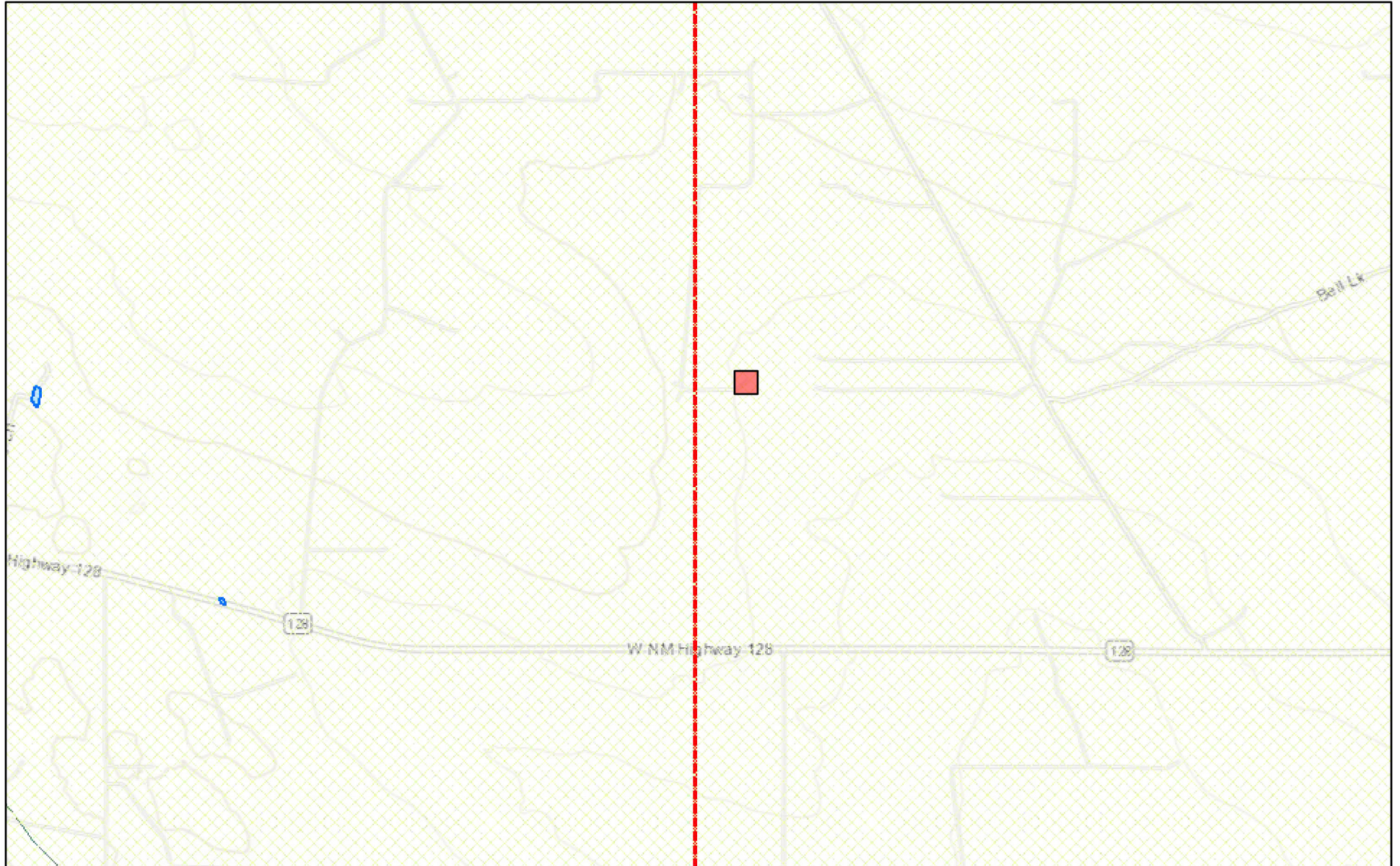
Water Bearing Stratifications:	Top	Bottom	Description
	0	20	Other/Unknown
	20	55	Sandstone/Gravel/Conglomerate
	55	1227	Shale/Mudstone/Siltstone
	1227	1262	Other/Unknown
	1262	1295	Other/Unknown
	1295	1310	Other/Unknown
	1310	1330	Other/Unknown
	1330	1375	Other/Unknown
	1479	1489	Other/Unknown
	1489	1533	Other/Unknown

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

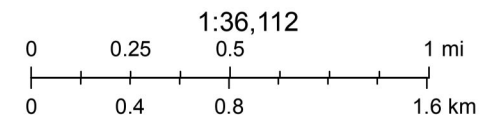
4/4/23 9:38 AM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



February 28, 2023



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

nmflood.org is made possible through a collaboration with NMDHSEM, This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

APPENDIX E

CARMONA RESOURCES





Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Generated 3/7/2023 1:08:29 PM

JOB DESCRIPTION

Dos Equis 13 Federal CTB (02.03.2023)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-25411-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

Authorization



Generated
3/7/2023 1:08:29 PM

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

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Laboratory Job ID: 880-25411-1
SDG: Lea County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	22
QC Sample Results	24
QC Association Summary	32
Lab Chronicle	38
Certification Summary	45
Method Summary	46
Sample Summary	47
Chain of Custody	48
Receipt Checklists	51

1
2
3
4
5
6
7
8
9
10
11
12
13
14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Job ID: 880-25411-1

Laboratory: Eurofins Midland

Narrative**Job Narrative
880-25411-1****Receipt**

The samples were received on 3/3/2023 10:43 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-0.5') (880-25411-1), S-1 (1') (880-25411-2), S-1 (1.5') (880-25411-3), S-1 (2') (880-25411-4), S-2 (0-0.5') (880-25411-5), S-2 (1') (880-25411-6), S-2 (1.5') (880-25411-7), S-2 (2') (880-25411-8), S-3 (0-0.5') (880-25411-9), S-3 (1') (880-25411-10), S-3 (1.5') (880-25411-11), S-3 (2') (880-25411-12), S-4 (0.25') (880-25411-13), S-4 (0-0.5') (880-25411-14), S-4 (1') (880-25411-15), H-1 (0-0.5') (880-25411-16), H-2 (0-0.5') (880-25411-17), H-3 (0-0.5') (880-25411-18), H-4 (0-0.5') (880-25411-19), H-5 (0-0.5') (880-25411-20) and H-6 (0-0.5') (880-25411-21).

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-47725 and analytical batch 880-47855 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-47759 and analytical batch 880-47801 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47745 and analytical batch 880-47685 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25411-1

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/05/23 20:39	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		03/03/23 12:04	03/05/23 20:39	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		03/03/23 12:04	03/05/23 20:39	1
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.00399		mg/Kg		03/03/23 12:04	03/05/23 20:39	1
o-Xylene	0.00268	F1 F2	0.00200		mg/Kg		03/03/23 12:04	03/05/23 20:39	1
Xylenes, Total	<0.00399	U F1 F2	0.00399		mg/Kg		03/03/23 12:04	03/05/23 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	03/03/23 12:04	03/05/23 20:39	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/03/23 12:04	03/05/23 20:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1490		49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/03/23 21:13	1
Diesel Range Organics (Over C10-C28)	1490	F1	49.9		mg/Kg		03/03/23 13:21	03/03/23 21:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/03/23 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/03/23 13:21	03/03/23 21:13	1
o-Terphenyl	111		70 - 130	03/03/23 13:21	03/03/23 21:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1380		25.2		mg/Kg			03/04/23 15:09	5

Client Sample ID: S-1 (1')

Lab Sample ID: 880-25411-2

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/05/23 21:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/05/23 21:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/05/23 21:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/03/23 12:04	03/05/23 21:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/05/23 21:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/03/23 12:04	03/05/23 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/03/23 12:04	03/05/23 21:00	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/03/23 12:04	03/05/23 21:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1')

Lab Sample ID: 880-25411-2

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/03/23 22:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/03/23 22:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/03/23 22:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/03/23 13:21	03/03/23 22:17	1
o-Terphenyl	96		70 - 130				03/03/23 13:21	03/03/23 22:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		5.05		mg/Kg			03/04/23 15:15	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-25411-3

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 21:20	1
Toluene	0.00202		0.00199		mg/Kg		03/03/23 12:04	03/05/23 21:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 21:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/05/23 21:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 21:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/05/23 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				03/03/23 12:04	03/05/23 21:20	1
1,4-Difluorobenzene (Surr)	105		70 - 130				03/03/23 12:04	03/05/23 21:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/03/23 22:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/03/23 22:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-25411-3

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/03/23 22:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				03/03/23 13:21	03/03/23 22:39	1
o-Terphenyl	95		70 - 130				03/03/23 13:21	03/03/23 22:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	206		4.99		mg/Kg			03/04/23 15:22	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-25411-4

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 21:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 21:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 21:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/05/23 21:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 21:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/05/23 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				03/03/23 12:04	03/05/23 21:41	1
1,4-Difluorobenzene (Surr)	111		70 - 130				03/03/23 12:04	03/05/23 21:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/03/23 23:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/03/23 23:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/03/23 23:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/03/23 13:21	03/03/23 23:01	1
o-Terphenyl	107		70 - 130				03/03/23 13:21	03/03/23 23:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		5.00		mg/Kg			03/04/23 15:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25411-5

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/05/23 22:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/05/23 22:01	1
Ethylbenzene	0.00291		0.00200		mg/Kg		03/03/23 12:04	03/05/23 22:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/03/23 12:04	03/05/23 22:01	1
o-Xylene	0.00640		0.00200		mg/Kg		03/03/23 12:04	03/05/23 22:01	1
Xylenes, Total	0.00640		0.00399		mg/Kg		03/03/23 12:04	03/05/23 22:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	03/03/23 12:04	03/05/23 22:01	1
1,4-Difluorobenzene (Surr)	107		70 - 130	03/03/23 12:04	03/05/23 22:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00931		0.00399		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	476		49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/03/23 23:22	1
Diesel Range Organics (Over C10-C28)	476		49.9		mg/Kg		03/03/23 13:21	03/03/23 23:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/03/23 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/03/23 13:21	03/03/23 23:22	1
o-Terphenyl	109		70 - 130	03/03/23 13:21	03/03/23 23:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2730		25.0		mg/Kg			03/04/23 15:46	5

Client Sample ID: S-2 (1')

Lab Sample ID: 880-25411-6

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/05/23 22:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/05/23 22:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/05/23 22:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/03/23 12:04	03/05/23 22:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/05/23 22:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/03/23 12:04	03/05/23 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/03/23 12:04	03/05/23 22:22	1
1,4-Difluorobenzene (Surr)	109		70 - 130	03/03/23 12:04	03/05/23 22:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1')

Lab Sample ID: 880-25411-6

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/03/23 23:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/03/23 23:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/03/23 23:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				03/03/23 13:21	03/03/23 23:44	1
o-Terphenyl	107		70 - 130				03/03/23 13:21	03/03/23 23:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	554		5.02		mg/Kg			03/04/23 15:53	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-25411-7

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:04	03/05/23 22:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:04	03/05/23 22:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:04	03/05/23 22:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/23 12:04	03/05/23 22:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:04	03/05/23 22:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/23 12:04	03/05/23 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				03/03/23 12:04	03/05/23 22:42	1
1,4-Difluorobenzene (Surr)	108		70 - 130				03/03/23 12:04	03/05/23 22:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 00:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 00:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-25411-7

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				03/03/23 13:21	03/04/23 00:05	1
o-Terphenyl	107		70 - 130				03/03/23 13:21	03/04/23 00:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	283		5.03		mg/Kg			03/04/23 15:59	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-25411-8

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 23:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 23:02	1
Ethylbenzene	0.00499		0.00199		mg/Kg		03/03/23 12:04	03/05/23 23:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/05/23 23:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 23:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/05/23 23:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				03/03/23 12:04	03/05/23 23:02	1
1,4-Difluorobenzene (Surr)	118		70 - 130				03/03/23 12:04	03/05/23 23:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00499		0.00398		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 00:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 00:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/03/23 13:21	03/04/23 00:27	1
o-Terphenyl	105		70 - 130				03/03/23 13:21	03/04/23 00:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	238		4.98		mg/Kg			03/04/23 16:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25411-9

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:04	03/05/23 23:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:04	03/05/23 23:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:04	03/05/23 23:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/03/23 12:04	03/05/23 23:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:04	03/05/23 23:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/03/23 12:04	03/05/23 23:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/03/23 12:04	03/05/23 23:23	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/03/23 12:04	03/05/23 23:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 00:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 00:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/03/23 13:21	03/04/23 00:49	1
o-Terphenyl	107		70 - 130	03/03/23 13:21	03/04/23 00:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	881		4.98		mg/Kg			03/04/23 16:11	1

Client Sample ID: S-3 (1')

Lab Sample ID: 880-25411-10

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 23:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 23:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 23:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/05/23 23:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 23:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/05/23 23:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/03/23 12:04	03/05/23 23:43	1
1,4-Difluorobenzene (Surr)	109		70 - 130	03/03/23 12:04	03/05/23 23:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (1')

Lab Sample ID: 880-25411-10

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 01:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 01:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				03/03/23 13:21	03/04/23 01:10	1
o-Terphenyl	103		70 - 130				03/03/23 13:21	03/04/23 01:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.5		5.00		mg/Kg			03/04/23 16:17	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-25411-11

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/06/23 01:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/06/23 01:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/06/23 01:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/03/23 12:04	03/06/23 01:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/06/23 01:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/03/23 12:04	03/06/23 01:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				03/03/23 12:04	03/06/23 01:34	1
1,4-Difluorobenzene (Surr)	98		70 - 130				03/03/23 12:04	03/06/23 01:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 01:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 01:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-25411-11

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 01:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/03/23 13:21	03/04/23 01:53	1
o-Terphenyl	100		70 - 130				03/03/23 13:21	03/04/23 01:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.4		4.96		mg/Kg			03/04/23 16:36	1

Client Sample ID: S-3 (2')

Lab Sample ID: 880-25411-12

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:04	03/06/23 01:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:04	03/06/23 01:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:04	03/06/23 01:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/23 12:04	03/06/23 01:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:04	03/06/23 01:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/23 12:04	03/06/23 01:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				03/03/23 12:04	03/06/23 01:54	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/03/23 12:04	03/06/23 01:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 02:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 02:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/03/23 13:21	03/04/23 02:14	1
o-Terphenyl	102		70 - 130				03/03/23 13:21	03/04/23 02:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.5		5.04		mg/Kg			03/04/23 16:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (0.25')

Lab Sample ID: 880-25411-13

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/03/23 12:04	03/06/23 02:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/03/23 12:04	03/06/23 02:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/03/23 12:04	03/06/23 02:14	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/03/23 12:04	03/06/23 02:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/03/23 12:04	03/06/23 02:14	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/03/23 12:04	03/06/23 02:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/03/23 12:04	03/06/23 02:14	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/03/23 12:04	03/06/23 02:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2060		50.0		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 02:35	1
Diesel Range Organics (Over C10-C28)	2060		50.0		mg/Kg		03/03/23 13:21	03/04/23 02:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	03/03/23 13:21	03/04/23 02:35	1
o-Terphenyl	91		70 - 130	03/03/23 13:21	03/04/23 02:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1920		25.1		mg/Kg			03/04/23 17:00	5

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

Lab Sample ID: 880-25411-14

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 02:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 02:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 02:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/06/23 02:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 02:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/06/23 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	03/03/23 12:04	03/06/23 02:35	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/03/23 12:04	03/06/23 02:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25411-14

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 02:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 02:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 02:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				03/03/23 13:21	03/04/23 02:58	1
o-Terphenyl	90		70 - 130				03/03/23 13:21	03/04/23 02:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.1		5.04		mg/Kg			03/04/23 17:07	1

Client Sample ID: S-4 (1')

Lab Sample ID: 880-25411-15

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 02:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 02:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 02:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/06/23 02:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 02:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/06/23 02:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				03/03/23 12:04	03/06/23 02:55	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/03/23 12:04	03/06/23 02:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 03:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 03:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (1')

Lab Sample ID: 880-25411-15

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 03:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				03/03/23 13:21	03/04/23 03:20	1
o-Terphenyl	85		70 - 130				03/03/23 13:21	03/04/23 03:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.3		4.99		mg/Kg			03/04/23 17:13	1

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

Lab Sample ID: 880-25411-16

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 03:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 03:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 03:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/06/23 03:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 03:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/06/23 03:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				03/03/23 12:04	03/06/23 03:15	1
1,4-Difluorobenzene (Surr)	109		70 - 130				03/03/23 12:04	03/06/23 03:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	458		49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 03:41	1
Diesel Range Organics (Over C10-C28)	458		49.9		mg/Kg		03/03/23 13:21	03/04/23 03:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 03:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/03/23 13:21	03/04/23 03:41	1
o-Terphenyl	103		70 - 130				03/03/23 13:21	03/04/23 03:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		4.96		mg/Kg			03/04/23 17:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25411-17

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 03:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 03:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 03:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/06/23 03:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/06/23 03:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/06/23 03:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	03/03/23 12:04	03/06/23 03:36	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/03/23 12:04	03/06/23 03:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	86.6		49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 04:02	1
Diesel Range Organics (Over C10-C28)	86.6		49.9		mg/Kg		03/03/23 13:21	03/04/23 04:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	03/03/23 13:21	03/04/23 04:02	1
o-Terphenyl	91		70 - 130	03/03/23 13:21	03/04/23 04:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.8		4.96		mg/Kg			03/04/23 17:25	1

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

Lab Sample ID: 880-25411-18

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/06/23 03:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/06/23 03:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/06/23 03:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/03/23 12:04	03/06/23 03:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:04	03/06/23 03:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/03/23 12:04	03/06/23 03:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	03/03/23 12:04	03/06/23 03:56	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/03/23 12:04	03/06/23 03:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25411-18

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 04:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 04:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 04:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				03/03/23 13:21	03/04/23 04:23	1
o-Terphenyl	88		70 - 130				03/03/23 13:21	03/04/23 04:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		4.95		mg/Kg			03/04/23 17:31	1

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

Lab Sample ID: 880-25411-19

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00240		0.00201		mg/Kg		03/03/23 12:04	03/06/23 04:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:04	03/06/23 04:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:04	03/06/23 04:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/23 12:04	03/06/23 04:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:04	03/06/23 04:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/23 12:04	03/06/23 04:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				03/03/23 12:04	03/06/23 04:17	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/03/23 12:04	03/06/23 04:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 04:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 04:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25411-19

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/04/23 04:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				03/03/23 13:21	03/04/23 04:45	1
o-Terphenyl	89		70 - 130				03/03/23 13:21	03/04/23 04:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		4.98		mg/Kg			03/04/23 17:37	1

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

Lab Sample ID: 880-25411-20

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:04	03/06/23 04:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:04	03/06/23 04:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:04	03/06/23 04:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/03/23 12:04	03/06/23 04:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:04	03/06/23 04:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/03/23 12:04	03/06/23 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				03/03/23 12:04	03/06/23 04:37	1
1,4-Difluorobenzene (Surr)	111		70 - 130				03/03/23 12:04	03/06/23 04:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/06/23 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 05:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 05:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 13:21	03/04/23 05:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/03/23 13:21	03/04/23 05:06	1
o-Terphenyl	100		70 - 130				03/03/23 13:21	03/04/23 05:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		5.01		mg/Kg			03/04/23 16:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25411-21

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/03/23 11:55	03/06/23 19:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 11:55	03/06/23 19:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 11:55	03/06/23 19:26	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		03/03/23 11:55	03/06/23 19:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 11:55	03/06/23 19:26	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		03/03/23 11:55	03/06/23 19:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	03/03/23 11:55	03/06/23 19:26	1
1,4-Difluorobenzene (Surr)	109		70 - 130	03/03/23 11:55	03/06/23 19:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/07/23 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 14:07	03/04/23 12:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 14:07	03/04/23 12:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 14:07	03/04/23 12:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	03/03/23 14:07	03/04/23 12:49	1
o-Terphenyl	127		70 - 130	03/03/23 14:07	03/04/23 12:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	212		4.96		mg/Kg			03/04/23 16:56	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-25400-A-1-E MS	Matrix Spike	119	114
880-25400-A-1-F MSD	Matrix Spike Duplicate	117	104
880-25411-1	S-1 (0-0.5')	99	97
880-25411-1 MS	S-1 (0-0.5')	100	102
880-25411-1 MSD	S-1 (0-0.5')	111	105
880-25411-2	S-1 (1')	108	100
880-25411-3	S-1 (1.5')	93	105
880-25411-4	S-1 (2')	115	111
880-25411-5	S-2 (0-0.5')	110	107
880-25411-6	S-2 (1')	113	109
880-25411-7	S-2 (1.5')	115	108
880-25411-8	S-2 (2')	80	118
880-25411-9	S-3 (0-0.5')	117	102
880-25411-10	S-3 (1')	117	109
880-25411-11	S-3 (1.5')	102	98
880-25411-12	S-3 (2')	114	106
880-25411-13	S-4 (0.25')	113	104
880-25411-14	S-4 (0-0.5')	110	99
880-25411-15	S-4 (1')	88	100
880-25411-16	H-1 (0-0.5')	121	109
880-25411-17	H-2 (0-0.5')	116	103
880-25411-18	H-3 (0-0.5')	122	101
880-25411-19	H-4 (0-0.5')	107	106
880-25411-20	H-5 (0-0.5')	124	111
880-25411-21	H-6 (0-0.5')	119	109
LCS 880-47724/1-A	Lab Control Sample	115	109
LCS 880-47725/1-A	Lab Control Sample	104	109
LCSD 880-47724/2-A	Lab Control Sample Dup	111	109
LCSD 880-47725/2-A	Lab Control Sample Dup	107	105
MB 880-47724/5-A	Method Blank	107	102
MB 880-47725/5-A	Method Blank	101	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-25410-A-1-F MS	Matrix Spike	118	122
880-25410-A-1-G MSD	Matrix Spike Duplicate	114	119
880-25411-1	S-1 (0-0.5')	112	111
880-25411-1 MS	S-1 (0-0.5')	123	109
880-25411-1 MSD	S-1 (0-0.5')	103	94
880-25411-2	S-1 (1')	98	96
880-25411-3	S-1 (1.5')	96	95
880-25411-4	S-1 (2')	112	107

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Job ID: 880-25411-1

Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-25411-5	S-2 (0-0.5')	112	109
880-25411-6	S-2 (1')	114	107
880-25411-7	S-2 (1.5')	113	107
880-25411-8	S-2 (2')	111	105
880-25411-9	S-3 (0-0.5')	112	107
880-25411-10	S-3 (1')	110	103
880-25411-11	S-3 (1.5')	109	100
880-25411-12	S-3 (2')	106	102
880-25411-13	S-4 (0.25')	95	91
880-25411-14	S-4 (0-0.5')	91	90
880-25411-15	S-4 (1')	87	85
880-25411-16	H-1 (0-0.5')	108	103
880-25411-17	H-2 (0-0.5')	92	91
880-25411-18	H-3 (0-0.5')	89	88
880-25411-19	H-4 (0-0.5')	91	89
880-25411-20	H-5 (0-0.5')	107	100
880-25411-21	H-6 (0-0.5')	118	127
LCS 880-47745/2-A	Lab Control Sample	92	93
LCS 880-47759/2-A	Lab Control Sample	113	125
LCSD 880-47745/3-A	Lab Control Sample Dup	86	94
LCSD 880-47759/3-A	Lab Control Sample Dup	98	117
MB 880-47745/1-A	Method Blank	116	118
MB 880-47759/1-A	Method Blank	126	137 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-47724/5-A

Matrix: Solid

Analysis Batch: 47864

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47724

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 11:55	03/06/23 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 11:55	03/06/23 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 11:55	03/06/23 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/23 11:55	03/06/23 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 11:55	03/06/23 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/23 11:55	03/06/23 11:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/03/23 11:55	03/06/23 11:21	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/03/23 11:55	03/06/23 11:21	1

Lab Sample ID: LCS 880-47724/1-A

Matrix: Solid

Analysis Batch: 47864

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47724

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1199		mg/Kg		120	70 - 130
Toluene	0.100	0.1170		mg/Kg		117	70 - 130
Ethylbenzene	0.100	0.1237		mg/Kg		124	70 - 130
m-Xylene & p-Xylene	0.200	0.2670	*+	mg/Kg		133	70 - 130
o-Xylene	0.100	0.1270		mg/Kg		127	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-47724/2-A

Matrix: Solid

Analysis Batch: 47864

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47724

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1282		mg/Kg		128	70 - 130	7	35
Toluene	0.100	0.1218		mg/Kg		122	70 - 130	4	35
Ethylbenzene	0.100	0.1248		mg/Kg		125	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2642	*+	mg/Kg		132	70 - 130	1	35
o-Xylene	0.100	0.1276		mg/Kg		128	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-25400-A-1-E MS

Matrix: Solid

Analysis Batch: 47864

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 47724

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1146		mg/Kg		114	70 - 130
Toluene	<0.00200	U	0.100	0.1064		mg/Kg		105	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25400-A-1-E MS

Matrix: Solid

Analysis Batch: 47864

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 47724

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1103		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	<0.00400	U *	0.200	0.2336		mg/Kg		117	70 - 130
o-Xylene	<0.00200	U	0.100	0.1140		mg/Kg		113	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-25400-A-1-F MSD

Matrix: Solid

Analysis Batch: 47864

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 47724

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.08869		mg/Kg		89	70 - 130	25	35
Toluene	<0.00200	U	0.0996	0.09256		mg/Kg		92	70 - 130	14	35
Ethylbenzene	<0.00200	U	0.0996	0.09299		mg/Kg		93	70 - 130	17	35
m-Xylene & p-Xylene	<0.00400	U *	0.199	0.1977		mg/Kg		99	70 - 130	17	35
o-Xylene	<0.00200	U	0.0996	0.09727		mg/Kg		97	70 - 130	16	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-47725/5-A

Matrix: Solid

Analysis Batch: 47855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47725

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 20:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 20:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 20:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/05/23 20:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:04	03/05/23 20:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:04	03/05/23 20:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/03/23 12:04	03/05/23 20:11	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/03/23 12:04	03/05/23 20:11	1

Lab Sample ID: LCS 880-47725/1-A

Matrix: Solid

Analysis Batch: 47855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09990		mg/Kg		100	70 - 130
Toluene	0.100	0.09887		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1055		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2265		mg/Kg		113	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-47725/1-A

Matrix: Solid

Analysis Batch: 47855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1096		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-47725/2-A

Matrix: Solid

Analysis Batch: 47855

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47725

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09558		mg/Kg		96	70 - 130	4	35
Toluene	0.100	0.1033		mg/Kg		103	70 - 130	4	35
Ethylbenzene	0.100	0.1084		mg/Kg		108	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2327		mg/Kg		116	70 - 130	3	35
o-Xylene	0.100	0.1124		mg/Kg		112	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-25411-1 MS

Matrix: Solid

Analysis Batch: 47855

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

Prep Type: Total/NA

Prep Batch: 47725

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07947		mg/Kg		79	70 - 130
Toluene	<0.00200	U F1	0.100	0.08418		mg/Kg		83	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.100	0.09213		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.1554		mg/Kg		77	70 - 130
o-Xylene	0.00268	F1 F2	0.100	0.09170		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-25411-1 MSD

Matrix: Solid

Analysis Batch: 47855

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

Prep Type: Total/NA

Prep Batch: 47725

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.07900		mg/Kg		78	70 - 130	1	35
Toluene	<0.00200	U F1	0.100	0.06220	F1	mg/Kg		62	70 - 130	30	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.05871	F1 F2	mg/Kg		57	70 - 130	44	35
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.09648	F1 F2	mg/Kg		48	70 - 130	47	35
o-Xylene	0.00268	F1 F2	0.100	0.06375	F1 F2	mg/Kg		61	70 - 130	36	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25411-1 MSD

Matrix: Solid

Analysis Batch: 47855

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

Prep Type: Total/NA

Prep Batch: 47725

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-47745/1-A

Matrix: Solid

Analysis Batch: 47685

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47745

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/03/23 20:08	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/03/23 20:08	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 13:21	03/03/23 20:08	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	116		70 - 130				03/03/23 13:21	03/03/23 20:08	1	
o-Terphenyl	118		70 - 130				03/03/23 13:21	03/03/23 20:08	1	

Lab Sample ID: LCS 880-47745/2-A

Matrix: Solid

Analysis Batch: 47685

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47745

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10			999	824.1		mg/Kg		82	70 - 130	
Diesel Range Organics (Over C10-C28)			999	836.7		mg/Kg		84	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	92		70 - 130							
o-Terphenyl	93		70 - 130							

Lab Sample ID: LCSD 880-47745/3-A

Matrix: Solid

Analysis Batch: 47685

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47745

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			999	886.1		mg/Kg		89	70 - 130	7	20	
Diesel Range Organics (Over C10-C28)			999	852.4		mg/Kg		85	70 - 130	2	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	86		70 - 130									
o-Terphenyl	94		70 - 130									

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25411-1 MS

Matrix: Solid

Analysis Batch: 47685

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

Prep Type: Total/NA

Prep Batch: 47745

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	999	1211		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	1490	F1	999	1629	F1	mg/Kg		14	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	123		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: 880-25411-1 MSD

Matrix: Solid

Analysis Batch: 47685

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

Prep Type: Total/NA

Prep Batch: 47745

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	1008		mg/Kg		99	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1490	F1	999	1444	F1	mg/Kg		-5	70 - 130	12	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	94		70 - 130								

Lab Sample ID: MB 880-47759/1-A

Matrix: Solid

Analysis Batch: 47801

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 14:07	03/04/23 09:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 14:07	03/04/23 09:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 14:07	03/04/23 09:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				03/03/23 14:07	03/04/23 09:09	1
o-Terphenyl	137	S1+	70 - 130				03/03/23 14:07	03/04/23 09:09	1

Lab Sample ID: LCS 880-47759/2-A

Matrix: Solid

Analysis Batch: 47801

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	950.9		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1128		mg/Kg		113	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-47759/2-A
Matrix: Solid
Analysis Batch: 47801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47759

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: LCSD 880-47759/3-A
Matrix: Solid
Analysis Batch: 47801

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47759

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	9	20
Diesel Range Organics (Over C10-C28)			1000	1040		mg/Kg		104	70 - 130	8	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: 880-25410-A-1-F MS
Matrix: Solid
Analysis Batch: 47801

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47759

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	997	1108		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1078		mg/Kg		108	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: 880-25410-A-1-G MSD
Matrix: Solid
Analysis Batch: 47801

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47759

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	1090		mg/Kg		105	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1056		mg/Kg		106	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	119		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47726/1-A

Matrix: Solid

Analysis Batch: 47798

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/04/23 14:32	1

Lab Sample ID: LCS 880-47726/2-A

Matrix: Solid

Analysis Batch: 47798

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	228.0		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-47726/3-A

Matrix: Solid

Analysis Batch: 47798

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	228.1		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 880-25411-10 MS

Matrix: Solid

Analysis Batch: 47798

Client Sample ID: S-3 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	70.5		250	326.9		mg/Kg		103	90 - 110

Lab Sample ID: 880-25411-10 MSD

Matrix: Solid

Analysis Batch: 47798

Client Sample ID: S-3 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	70.5		250	326.9		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-47727/1-A

Matrix: Solid

Analysis Batch: 47818

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/04/23 16:27	1

Lab Sample ID: LCS 880-47727/2-A

Matrix: Solid

Analysis Batch: 47818

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.6		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-47727/3-A

Matrix: Solid

Analysis Batch: 47818

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	258.2		mg/Kg		103	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-25411-20 MS											Client Sample ID: H-5 (0-0.5')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 47818													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	100		251	354.1		mg/Kg		101	90 - 110				

Lab Sample ID: 880-25411-20 MSD											Client Sample ID: H-5 (0-0.5')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 47818													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	100		251	354.7		mg/Kg		102	90 - 110	0	20		

QC Association Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 47724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-21	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-47724/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47724/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47724/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25400-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-25400-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 47725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-25411-2	S-1 (1')	Total/NA	Solid	5035	
880-25411-3	S-1 (1.5')	Total/NA	Solid	5035	
880-25411-4	S-1 (2')	Total/NA	Solid	5035	
880-25411-5	S-2 (0-0.5')	Total/NA	Solid	5035	
880-25411-6	S-2 (1')	Total/NA	Solid	5035	
880-25411-7	S-2 (1.5')	Total/NA	Solid	5035	
880-25411-8	S-2 (2')	Total/NA	Solid	5035	
880-25411-9	S-3 (0-0.5')	Total/NA	Solid	5035	
880-25411-10	S-3 (1')	Total/NA	Solid	5035	
880-25411-11	S-3 (1.5')	Total/NA	Solid	5035	
880-25411-12	S-3 (2')	Total/NA	Solid	5035	
880-25411-13	S-4 (0.25')	Total/NA	Solid	5035	
880-25411-14	S-4 (0-0.5')	Total/NA	Solid	5035	
880-25411-15	S-4 (1')	Total/NA	Solid	5035	
880-25411-16	H-1 (0-0.5')	Total/NA	Solid	5035	
880-25411-17	H-2 (0-0.5')	Total/NA	Solid	5035	
880-25411-18	H-3 (0-0.5')	Total/NA	Solid	5035	
880-25411-19	H-4 (0-0.5')	Total/NA	Solid	5035	
880-25411-20	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-47725/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47725/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47725/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25411-1 MS	S-1 (0-0.5')	Total/NA	Solid	5035	
880-25411-1 MSD	S-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 47855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-1	S-1 (0-0.5')	Total/NA	Solid	8021B	47725
880-25411-2	S-1 (1')	Total/NA	Solid	8021B	47725
880-25411-3	S-1 (1.5')	Total/NA	Solid	8021B	47725
880-25411-4	S-1 (2')	Total/NA	Solid	8021B	47725
880-25411-5	S-2 (0-0.5')	Total/NA	Solid	8021B	47725
880-25411-6	S-2 (1')	Total/NA	Solid	8021B	47725
880-25411-7	S-2 (1.5')	Total/NA	Solid	8021B	47725
880-25411-8	S-2 (2')	Total/NA	Solid	8021B	47725
880-25411-9	S-3 (0-0.5')	Total/NA	Solid	8021B	47725
880-25411-10	S-3 (1')	Total/NA	Solid	8021B	47725
880-25411-11	S-3 (1.5')	Total/NA	Solid	8021B	47725
880-25411-12	S-3 (2')	Total/NA	Solid	8021B	47725
880-25411-13	S-4 (0.25')	Total/NA	Solid	8021B	47725
880-25411-14	S-4 (0-0.5')	Total/NA	Solid	8021B	47725

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 47855 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-15	S-4 (1')	Total/NA	Solid	8021B	47725
880-25411-16	H-1 (0-0.5')	Total/NA	Solid	8021B	47725
880-25411-17	H-2 (0-0.5')	Total/NA	Solid	8021B	47725
880-25411-18	H-3 (0-0.5')	Total/NA	Solid	8021B	47725
880-25411-19	H-4 (0-0.5')	Total/NA	Solid	8021B	47725
880-25411-20	H-5 (0-0.5')	Total/NA	Solid	8021B	47725
MB 880-47725/5-A	Method Blank	Total/NA	Solid	8021B	47725
LCS 880-47725/1-A	Lab Control Sample	Total/NA	Solid	8021B	47725
LCSD 880-47725/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47725
880-25411-1 MS	S-1 (0-0.5')	Total/NA	Solid	8021B	47725
880-25411-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8021B	47725

Analysis Batch: 47864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-21	H-6 (0-0.5')	Total/NA	Solid	8021B	47724
MB 880-47724/5-A	Method Blank	Total/NA	Solid	8021B	47724
LCS 880-47724/1-A	Lab Control Sample	Total/NA	Solid	8021B	47724
LCSD 880-47724/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47724
880-25400-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	47724
880-25400-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	47724

Analysis Batch: 47949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25411-2	S-1 (1')	Total/NA	Solid	Total BTEX	
880-25411-3	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-25411-4	S-1 (2')	Total/NA	Solid	Total BTEX	
880-25411-5	S-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25411-6	S-2 (1')	Total/NA	Solid	Total BTEX	
880-25411-7	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-25411-8	S-2 (2')	Total/NA	Solid	Total BTEX	
880-25411-9	S-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25411-10	S-3 (1')	Total/NA	Solid	Total BTEX	
880-25411-11	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-25411-12	S-3 (2')	Total/NA	Solid	Total BTEX	
880-25411-13	S-4 (0.25')	Total/NA	Solid	Total BTEX	
880-25411-14	S-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25411-15	S-4 (1')	Total/NA	Solid	Total BTEX	
880-25411-16	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25411-17	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25411-18	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25411-19	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25411-20	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-25411-21	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 47685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	47745
880-25411-2	S-1 (1')	Total/NA	Solid	8015B NM	47745

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-25411-1

Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 47685 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-3	S-1 (1.5')	Total/NA	Solid	8015B NM	47745
880-25411-4	S-1 (2')	Total/NA	Solid	8015B NM	47745
880-25411-5	S-2 (0-0.5')	Total/NA	Solid	8015B NM	47745
880-25411-6	S-2 (1')	Total/NA	Solid	8015B NM	47745
880-25411-7	S-2 (1.5')	Total/NA	Solid	8015B NM	47745
880-25411-8	S-2 (2')	Total/NA	Solid	8015B NM	47745
880-25411-9	S-3 (0-0.5')	Total/NA	Solid	8015B NM	47745
880-25411-10	S-3 (1')	Total/NA	Solid	8015B NM	47745
880-25411-11	S-3 (1.5')	Total/NA	Solid	8015B NM	47745
880-25411-12	S-3 (2')	Total/NA	Solid	8015B NM	47745
880-25411-13	S-4 (0.25')	Total/NA	Solid	8015B NM	47745
880-25411-14	S-4 (0-0.5')	Total/NA	Solid	8015B NM	47745
880-25411-15	S-4 (1')	Total/NA	Solid	8015B NM	47745
880-25411-16	H-1 (0-0.5')	Total/NA	Solid	8015B NM	47745
880-25411-17	H-2 (0-0.5')	Total/NA	Solid	8015B NM	47745
880-25411-18	H-3 (0-0.5')	Total/NA	Solid	8015B NM	47745
880-25411-19	H-4 (0-0.5')	Total/NA	Solid	8015B NM	47745
880-25411-20	H-5 (0-0.5')	Total/NA	Solid	8015B NM	47745
MB 880-47745/1-A	Method Blank	Total/NA	Solid	8015B NM	47745
LCS 880-47745/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47745
LCSD 880-47745/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47745
880-25411-1 MS	S-1 (0-0.5')	Total/NA	Solid	8015B NM	47745
880-25411-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8015B NM	47745

Prep Batch: 47745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25411-2	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-25411-3	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-25411-4	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-25411-5	S-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25411-6	S-2 (1')	Total/NA	Solid	8015NM Prep	
880-25411-7	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-25411-8	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-25411-9	S-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25411-10	S-3 (1')	Total/NA	Solid	8015NM Prep	
880-25411-11	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-25411-12	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-25411-13	S-4 (0.25')	Total/NA	Solid	8015NM Prep	
880-25411-14	S-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25411-15	S-4 (1')	Total/NA	Solid	8015NM Prep	
880-25411-16	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25411-17	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25411-18	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25411-19	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25411-20	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-47745/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47745/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47745/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25411-1 MS	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-25411-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 47759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-21	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-47759/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47759/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25410-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25410-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-21	H-6 (0-0.5')	Total/NA	Solid	8015B NM	47759
MB 880-47759/1-A	Method Blank	Total/NA	Solid	8015B NM	47759
LCS 880-47759/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47759
LCSD 880-47759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47759
880-25410-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	47759
880-25410-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47759

Analysis Batch: 47928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-25411-2	S-1 (1')	Total/NA	Solid	8015 NM	
880-25411-3	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-25411-4	S-1 (2')	Total/NA	Solid	8015 NM	
880-25411-5	S-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-25411-6	S-2 (1')	Total/NA	Solid	8015 NM	
880-25411-7	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-25411-8	S-2 (2')	Total/NA	Solid	8015 NM	
880-25411-9	S-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-25411-10	S-3 (1')	Total/NA	Solid	8015 NM	
880-25411-11	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-25411-12	S-3 (2')	Total/NA	Solid	8015 NM	
880-25411-13	S-4 (0.25')	Total/NA	Solid	8015 NM	
880-25411-14	S-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-25411-15	S-4 (1')	Total/NA	Solid	8015 NM	
880-25411-16	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-25411-17	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-25411-18	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-25411-19	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-25411-20	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-25411-21	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-25411-2	S-1 (1')	Soluble	Solid	DI Leach	
880-25411-3	S-1 (1.5')	Soluble	Solid	DI Leach	
880-25411-4	S-1 (2')	Soluble	Solid	DI Leach	
880-25411-5	S-2 (0-0.5')	Soluble	Solid	DI Leach	
880-25411-6	S-2 (1')	Soluble	Solid	DI Leach	
880-25411-7	S-2 (1.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 47726 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-8	S-2 (2')	Soluble	Solid	DI Leach	
880-25411-9	S-3 (0-0.5')	Soluble	Solid	DI Leach	
880-25411-10	S-3 (1')	Soluble	Solid	DI Leach	
880-25411-11	S-3 (1.5')	Soluble	Solid	DI Leach	
880-25411-12	S-3 (2')	Soluble	Solid	DI Leach	
880-25411-13	S-4 (0.25')	Soluble	Solid	DI Leach	
880-25411-14	S-4 (0-0.5')	Soluble	Solid	DI Leach	
880-25411-15	S-4 (1')	Soluble	Solid	DI Leach	
880-25411-16	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-25411-17	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-25411-18	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-25411-19	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-47726/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47726/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47726/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25411-10 MS	S-3 (1')	Soluble	Solid	DI Leach	
880-25411-10 MSD	S-3 (1')	Soluble	Solid	DI Leach	

Leach Batch: 47727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-20	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-25411-21	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-47727/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47727/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47727/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25411-20 MS	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-25411-20 MSD	H-5 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 47798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-1	S-1 (0-0.5')	Soluble	Solid	300.0	47726
880-25411-2	S-1 (1')	Soluble	Solid	300.0	47726
880-25411-3	S-1 (1.5')	Soluble	Solid	300.0	47726
880-25411-4	S-1 (2')	Soluble	Solid	300.0	47726
880-25411-5	S-2 (0-0.5')	Soluble	Solid	300.0	47726
880-25411-6	S-2 (1')	Soluble	Solid	300.0	47726
880-25411-7	S-2 (1.5')	Soluble	Solid	300.0	47726
880-25411-8	S-2 (2')	Soluble	Solid	300.0	47726
880-25411-9	S-3 (0-0.5')	Soluble	Solid	300.0	47726
880-25411-10	S-3 (1')	Soluble	Solid	300.0	47726
880-25411-11	S-3 (1.5')	Soluble	Solid	300.0	47726
880-25411-12	S-3 (2')	Soluble	Solid	300.0	47726
880-25411-13	S-4 (0.25')	Soluble	Solid	300.0	47726
880-25411-14	S-4 (0-0.5')	Soluble	Solid	300.0	47726
880-25411-15	S-4 (1')	Soluble	Solid	300.0	47726
880-25411-16	H-1 (0-0.5')	Soluble	Solid	300.0	47726
880-25411-17	H-2 (0-0.5')	Soluble	Solid	300.0	47726
880-25411-18	H-3 (0-0.5')	Soluble	Solid	300.0	47726
880-25411-19	H-4 (0-0.5')	Soluble	Solid	300.0	47726
MB 880-47726/1-A	Method Blank	Soluble	Solid	300.0	47726
LCS 880-47726/2-A	Lab Control Sample	Soluble	Solid	300.0	47726

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 47798 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-47726/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47726
880-25411-10 MS	S-3 (1')	Soluble	Solid	300.0	47726
880-25411-10 MSD	S-3 (1')	Soluble	Solid	300.0	47726

Analysis Batch: 47818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25411-20	H-5 (0-0.5')	Soluble	Solid	300.0	47727
880-25411-21	H-6 (0-0.5')	Soluble	Solid	300.0	47727
MB 880-47727/1-A	Method Blank	Soluble	Solid	300.0	47727
LCS 880-47727/2-A	Lab Control Sample	Soluble	Solid	300.0	47727
LCSD 880-47727/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47727
880-25411-20 MS	H-5 (0-0.5')	Soluble	Solid	300.0	47727
880-25411-20 MSD	H-5 (0-0.5')	Soluble	Solid	300.0	47727

Lab Chronicle

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25411-1

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/05/23 20:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/03/23 21:13	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	47798	03/04/23 15:09	CH	EET MID

Client Sample ID: S-1 (1')

Lab Sample ID: 880-25411-2

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/05/23 21:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/03/23 22:17	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 15:15	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-25411-3

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/05/23 21:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/03/23 22:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 15:22	CH	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-25411-4

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/05/23 21:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-25411-4

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/03/23 23:01	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 15:28	CH	EET MID

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

Lab Sample ID: 880-25411-5

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/05/23 22:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/03/23 23:22	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	47798	03/04/23 15:46	CH	EET MID

Client Sample ID: S-2 (1')

Lab Sample ID: 880-25411-6

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/05/23 22:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/03/23 23:44	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 15:53	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-25411-7

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/05/23 22:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 00:05	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-25411-7

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 15:59	CH	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-25411-8

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/05/23 23:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 00:27	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 16:05	CH	EET MID

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

Lab Sample ID: 880-25411-9

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/05/23 23:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 00:49	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 16:11	CH	EET MID

Client Sample ID: S-3 (1')

Lab Sample ID: 880-25411-10

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/05/23 23:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 01:10	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 16:17	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-25411-11

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/06/23 01:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 01:53	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 16:36	CH	EET MID

Client Sample ID: S-3 (2')

Lab Sample ID: 880-25411-12

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/06/23 01:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 02:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 16:42	CH	EET MID

Client Sample ID: S-4 (0.25')

Lab Sample ID: 880-25411-13

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/06/23 02:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 02:35	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	47798	03/04/23 17:00	CH	EET MID

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

Lab Sample ID: 880-25411-14

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/06/23 02:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

Lab Sample ID: 880-25411-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 02:58	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 17:07	CH	EET MID

Client Sample ID: S-4 (1')

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

Lab Sample ID: 880-25411-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/06/23 02:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 03:20	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 17:13	CH	EET MID

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

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

Lab Sample ID: 880-25411-16

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	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/06/23 03:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 03:41	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 17:19	CH	EET MID

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

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

Lab Sample ID: 880-25411-17

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	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/06/23 03:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 04:02	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

Lab Sample ID: 880-25411-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 17:25	CH	EET MID

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

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

Lab Sample ID: 880-25411-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/06/23 03:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 04:23	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 17:31	CH	EET MID

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

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

Lab Sample ID: 880-25411-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/06/23 04:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 04:45	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47726	03/03/23 12:06	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47798	03/04/23 17:37	CH	EET MID

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

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

Lab Sample ID: 880-25411-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	47725	03/03/23 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47855	03/06/23 04:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/06/23 14:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47745	03/03/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47685	03/04/23 05:06	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47727	03/03/23 12:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47818	03/04/23 16:42	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Client Sample ID: H-6 (0-0.5')
Date Collected: 03/02/23 00:00
Date Received: 03/03/23 10:43

Lab Sample ID: 880-25411-21
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	47724	03/03/23 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47864	03/06/23 19:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			47949	03/07/23 13:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47928	03/06/23 12:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47759	03/03/23 14:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47801	03/04/23 12:49	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47727	03/03/23 12:10	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47818	03/04/23 16:56	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25411-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25411-1	S-1 (0-0.5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-2	S-1 (1')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-3	S-1 (1.5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-4	S-1 (2')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-5	S-2 (0-0.5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-6	S-2 (1')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-7	S-2 (1.5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-8	S-2 (2')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-9	S-3 (0-0.5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-10	S-3 (1')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-11	S-3 (1.5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-12	S-3 (2')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-13	S-4 (0.25')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-14	S-4 (0-0.5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-15	S-4 (1')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-16	H-1 (0-0.5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-17	H-2 (0-0.5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-18	H-3 (0-0.5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-19	H-4 (0-0.5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-20	H-5 (0-0.5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25411-21	H-6 (0-0.5')	Solid	03/02/23 00:00	03/03/23 10:43

C a t c l s o d y

Work Order No: 25411

3/7/2023

Page 1 of 3

Project Manager		Conner Moehring		Bill to (if different)		Laci Luig	
Company Name		Carmona Resources		Company Name		Cimarex Energy	
Address		310 W Wall St Ste 415		Address		600 N Marienfield St, Suite 600	
City, State ZIP		Midland, TX 79701		City State ZIP		Midland, TX 79701	
Phone		432-813-6823		Email		laci.luig@coterra.com	

Project Name										Dos Equis 13 Federal CTB (02 03.2023)										Turn Around		ANALYSIS REQUEST										Pres. Code		Preservative Codes									
Project Number										1240										☐ Routine ☒ Rush														None NO DI Water H ₂ O Cool Cool MeOH Me HCL HC HNO ₃ HN H ₂ SO ₄ H ₂ NaOH Na H ₃ PO ₄ HP NaHSO NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC									
Project Location										Lea County New Mexico										Due Date		24 HR																					
Sampler's Name										GPJ																																	
PO #																																											

SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice		Yes No		Parameters		BTEX 8021B		TPH 8015M (GRO + DRO + MPO)		Chloride 4500 0	
Received Intact:		Yes No		N/A		Thermometer ID		128									
Cooler Custody Seals		Yes No		N/A		Correction Factor		1.00									
Sample Custody Seals		Yes No		N/A		Temperature Reading		3.0									
Total Containers						Corrected Temperature		35									

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments
S-1 (0-0 5')	3/2/2023		X		G	1	X	X	X								402
S-1 (1')	3/2/2023		X		G	1	X	X	X								
S-1 (1 5')	3/2/2023		X		G	1	X	X	X								
S-1 (2')	3/2/2023		X		G	1	X	X	X								
S-2 (0-0 5')	3/2/2023		X		G	1	X	X	X								
S-2 (1')	3/2/2023		X		G	1	X	X	X								
S-2 (1 5')	3/2/2023		X		G	1	X	X	X								
S-2 (2')	3/2/2023		X		G	1	X	X	X								
S-3 (0-0 5')	3/2/2023		X		G	1	X	X	X								
S-3 (1')	3/2/2023		X		G	1	X	X	X								



880-25411 Chain of Custody

Comments

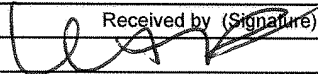
Relinquished by (Signature)



Date/Time

3/3/23
1043

Received by (Signature)



Date/Time



C r a o C s t y

Work Order No: 25411Page 2 of 3

Project Manager	Conner Moehring	Bill to (if different)	Laci Luig
Company Name	Carmona Resources	Company Name	Cimarex Energy
Address	310 W Wall St Ste 415	Address	600 N Marienfield St Suite 600
City, State ZIP	Midland TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-6823	Email	laci.luig@coterra.com

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

Project Name		Dos Equis 13 Federal CTB (02 03.2023)		Turn Around				ANALYSIS REQUEST																Preservative Codes							
Project Number		1240		☐ Routine ☒ Rush		Pres. Code																		None NO DI Water: H ₂ O							
Project Location		Lea County New Mexico		Due Date		24 HR																		Cool Cool MeOH Me							
Sampler's Name		GPJ																						HCL. HC HNO ₃ . HN							
PO #																								H ₂ SO ₄ . H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice.		Yes No																		H ₃ PO ₄ . HP					
Received Intact		Yes No		Thermometer ID																				NaHSO ₄ . NABIS							
Cooler Custody Seals.		Yes No N/A		Correction Factor																				Na ₂ S ₂ O ₃ . NaSO ₃							
Sample Custody Seals.		Yes No N/A		Temperature Reading																				Zn Acetate+NaOH Zn							
Total Containers				Corrected Temperature																				NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
S-3 (1.5')		2/27/2023				X				G		1		X X X																	
S-3 (2')		2/27/2023				X				G		1		X X X																	
S-4 (0-0.25')		2/27/2023				X				G		1		X X X																	
S-4 (0.5')		2/27/2023				X				G		1		X X X																	
S-4 (1')		2/27/2023				X				G		1		X X X																	
H-1 (0-0.5')		2/27/2023				X				G		1		X X X																	
H-2 (0-0.5')		2/27/2023				X				G		1		X X X																	
H-3 (0-0.5')		2/27/2023				X				G		1		X X X																	
H-4 (0-0.5')		2/27/2023				X				G		1		X X X																	
H-5 (0-0.5')		2/27/2023				X				G		1		X X X																	

Comments	

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
		3/3/23					
		043					

Work Order No: 25411

Page 3 of 3

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-25411-1

SDG Number: Lea County, New Mexico

Login Number: 25411

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Generated 3/9/2023 11:24:26 AM

JOB DESCRIPTION

Dos Equis 13 Federal CTB (02.03.2023)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-25620-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization



Generated
3/9/2023 11:24:26 AM

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

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Laboratory Job ID: 880-25620-1
SDG: Lea County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	12
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	19

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
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
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: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

Job ID: 880-25620-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-25620-1
-----------	------------------------------

Receipt

The sample was received on 3/8/2023 10:03 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-25620-1).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48127 and analytical batch 880-48087 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA

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

HPLC/IC

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

1
2
3
4
5
6
7
8
9
10
11
12
13
14

Client Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-25620-1

Date Collected: 03/07/23 00:00

Matrix: Solid

Date Received: 03/08/23 10:03

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199		mg/Kg		03/08/23 13:47	03/09/23 04:58	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		03/08/23 13:47	03/09/23 04:58	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		03/08/23 13:47	03/09/23 04:58	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398		mg/Kg		03/08/23 13:47	03/09/23 04:58	1
o-Xylene	<0.00199	U F2 F1	0.00199		mg/Kg		03/08/23 13:47	03/09/23 04:58	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		03/08/23 13:47	03/09/23 04:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/08/23 13:47	03/09/23 04:58	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/08/23 13:47	03/09/23 04:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/09/23 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/09/23 11:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/09/23 00:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/09/23 00:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/09/23 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	03/08/23 10:30	03/09/23 00:07	1
o-Terphenyl	94		70 - 130	03/08/23 10:30	03/09/23 00:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.0		4.96		mg/Kg			03/08/23 12:30	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-25620-1	H-1 (0-0.5')	112	104
880-25620-1 MS	H-1 (0-0.5')	118	99
880-25620-1 MSD	H-1 (0-0.5')	117	111
LCS 880-48127/1-A	Lab Control Sample	112	106
LCSD 880-48127/2-A	Lab Control Sample Dup	122	107
MB 880-48091/5-A	Method Blank	104	101
MB 880-48127/5-A	Method Blank	107	103
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-25620-1	H-1 (0-0.5')	92	94
890-4231-A-16-C MS	Matrix Spike	116	117
890-4231-A-16-D MSD	Matrix Spike Duplicate	124	117
LCS 880-48107/2-A	Lab Control Sample	105	116
LCSD 880-48107/3-A	Lab Control Sample Dup	119	118
MB 880-48107/1-A	Method Blank	103	110
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48091/5-A

Matrix: Solid

Analysis Batch: 48087

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/08/23 09:25	03/08/23 15:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 09:25	03/08/23 15:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 09:25	03/08/23 15:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/08/23 09:25	03/08/23 15:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 09:25	03/08/23 15:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/08/23 09:25	03/08/23 15:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/08/23 09:25	03/08/23 15:45	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/08/23 09:25	03/08/23 15:45	1

Lab Sample ID: MB 880-48127/5-A

Matrix: Solid

Analysis Batch: 48087

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48127

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/08/23 13:47	03/09/23 04:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/08/23 13:47	03/09/23 04:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/08/23 13:47	03/09/23 04:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/08/23 13:47	03/09/23 04:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/08/23 13:47	03/09/23 04:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/08/23 13:47	03/09/23 04:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/08/23 13:47	03/09/23 04:30	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/08/23 13:47	03/09/23 04:30	1

Lab Sample ID: LCS 880-48127/1-A

Matrix: Solid

Analysis Batch: 48087

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48127

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07568		mg/Kg		76	70 - 130
Toluene	0.100	0.07589		mg/Kg		76	70 - 130
Ethylbenzene	0.100	0.08066		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1736		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08820		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-48127/2-A

Matrix: Solid

Analysis Batch: 48087

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48127

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08912		mg/Kg		89	70 - 130	16	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-48127/2-A

Matrix: Solid

Analysis Batch: 48087

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48127

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08862		mg/Kg		89	70 - 130	15	35
Ethylbenzene	0.100	0.09492		mg/Kg		95	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2050		mg/Kg		103	70 - 130	17	35
o-Xylene	0.100	0.1029		mg/Kg		103	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-25620-1 MS

Matrix: Solid

Analysis Batch: 48087

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

Prep Type: Total/NA

Prep Batch: 48127

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F2 F1	0.0998	0.03039	F1	mg/Kg		30	70 - 130
Toluene	<0.00199	U F2 F1	0.0998	0.03448	F1	mg/Kg		35	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0998	0.03819	F1	mg/Kg		38	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.08158	F1	mg/Kg		41	70 - 130
o-Xylene	<0.00199	U F2 F1	0.0998	0.04484	F1	mg/Kg		45	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-25620-1 MSD

Matrix: Solid

Analysis Batch: 48087

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

Prep Type: Total/NA

Prep Batch: 48127

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.100	0.1025	F2	mg/Kg		102	70 - 130	109	35
Toluene	<0.00199	U F2 F1	0.100	0.09647	F2	mg/Kg		96	70 - 130	95	35
Ethylbenzene	<0.00199	U F2 F1	0.100	0.1002	F2	mg/Kg		100	70 - 130	90	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.201	0.2112	F2	mg/Kg		105	70 - 130	89	35
o-Xylene	<0.00199	U F2 F1	0.100	0.1049	F2	mg/Kg		104	70 - 130	80	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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

Lab Sample ID: MB 880-48107/1-A

Matrix: Solid

Analysis Batch: 48081

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/08/23 20:50	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-48107/1-A

Matrix: Solid

Analysis Batch: 48081

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/08/23 20:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/08/23 10:30	03/08/23 20:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/08/23 10:30	03/08/23 20:50	1
o-Terphenyl	110		70 - 130				03/08/23 10:30	03/08/23 20:50	1

Lab Sample ID: LCS 880-48107/2-A

Matrix: Solid

Analysis Batch: 48081

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	951.6		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1208		mg/Kg		121	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	105		70 - 130				
o-Terphenyl	116		70 - 130				

Lab Sample ID: LCSD 880-48107/3-A

Matrix: Solid

Analysis Batch: 48081

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48107

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	941.9		mg/Kg		94	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1154		mg/Kg		115	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	119		70 - 130						
o-Terphenyl	118		70 - 130						

Lab Sample ID: 890-4231-A-16-C MS

Matrix: Solid

Analysis Batch: 48081

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48107

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	1008		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	988.9		mg/Kg		99	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	116		70 - 130						
o-Terphenyl	117		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-4231-A-16-D MSD

Matrix: Solid

Analysis Batch: 48081

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 48107

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	947.7		mg/Kg		91	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	994.0		mg/Kg		99	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	124		70 - 130								
o-Terphenyl	117		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48112/1-A

Matrix: Solid

Analysis Batch: 48113

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/08/23 12:16	1

Lab Sample ID: LCS 880-48112/2-A

Matrix: Solid

Analysis Batch: 48113

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	268.7		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-48112/3-A

Matrix: Solid

Analysis Batch: 48113

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	268.7		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-25620-1 MS

Matrix: Solid

Analysis Batch: 48113

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	71.0		248	326.3		mg/Kg		103	90 - 110

Lab Sample ID: 880-25620-1 MSD

Matrix: Solid

Analysis Batch: 48113

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	71.0		248	326.2		mg/Kg		103	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 48087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25620-1	H-1 (0-0.5')	Total/NA	Solid	8021B	48127
MB 880-48091/5-A	Method Blank	Total/NA	Solid	8021B	48091
MB 880-48127/5-A	Method Blank	Total/NA	Solid	8021B	48127
LCS 880-48127/1-A	Lab Control Sample	Total/NA	Solid	8021B	48127
LCSD 880-48127/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48127
880-25620-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	48127
880-25620-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	48127

Prep Batch: 48091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48091/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 48127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25620-1	H-1 (0-0.5')	Total/NA	Solid	5035	
MB 880-48127/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48127/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48127/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25620-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-25620-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 48216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25620-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 48081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25620-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	48107
MB 880-48107/1-A	Method Blank	Total/NA	Solid	8015B NM	48107
LCS 880-48107/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48107
LCSD 880-48107/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48107
890-4231-A-16-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48107
890-4231-A-16-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48107

Prep Batch: 48107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25620-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-48107/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48107/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48107/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4231-A-16-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4231-A-16-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25620-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 48112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25620-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-48112/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48112/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48112/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25620-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-25620-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 48113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25620-1	H-1 (0-0.5')	Soluble	Solid	300.0	48112
MB 880-48112/1-A	Method Blank	Soluble	Solid	300.0	48112
LCS 880-48112/2-A	Lab Control Sample	Soluble	Solid	300.0	48112
LCSD 880-48112/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48112
880-25620-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	48112
880-25620-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	48112

Lab Chronicle

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

Client Sample ID: H-1 (0-0.5')
Date Collected: 03/07/23 00:00
Date Received: 03/08/23 10:03

Lab Sample ID: 880-25620-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48127	03/08/23 13:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48087	03/09/23 04:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48216	03/09/23 12:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			48210	03/09/23 11:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48107	03/08/23 10:30	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48081	03/09/23 00:07	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48112	03/08/23 11:04	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48113	03/08/23 12:30	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Dos Equis 13 Federal CTB (02.03.2023)

Job ID: 880-25620-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25620-1	H-1 (0-0.5')	Solid	03/07/23 00:00	03/08/23 10:03

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Chain of Custody

Work Order No: 25620

3/9/2023

Page 1 of 1

Project Manager	Ashton Thielke	Bill to. (if different)	Laci Luig
Company Name	Carmona Resources	Company Name	Cimarex Energy
Address	310 W Wall St Ste 415	Address	600 N Marienfield St, Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-8988	Email	laci.luig@coterra.com & ashton.thielke@coterra.com

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

[illegible]

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>E. Hadda Green</i>	3/8/23 1003	<i>[Signature]</i>	

Page 18 of 19

Released to Imaging: 9/20/2023 1:30:43 PM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-25620-1

SDG Number: Lea County, New Mexico

Login Number: 25620

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 232907

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 232907
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral request is approved. Remediation Due date left open until the facility is decommissioned.	9/20/2023