



SITE INFORMATION

Closure Report
Red Hills Unit #36H, 37H, & 38H
Incident ID: NAPP2217770034
Lea County, New Mexico
Unit D Sec 33 T25S R33E
32.09324°, -103.58468°

Produced Water Release
Point of Release: Broken Hose Connection on Frac Tank
Release Date: 06/26/2022
Volume Released: 235 Barrels of Produced Water
Volume Recovered: 200 barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Cimarex Energy Co. of Colorado
600 N. Marienfeld Street
Suite 600
Midland, Texas 79701

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



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September 2, 2022

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

Re: Closure Report
Red Hills Unit #36H, 37H, & 38H
Cimarex Energy Co. of Colorado
Site Location: Unit D, S33, T25S, R33E
(Lat 32.09324°, Long -103.58468°)
Lea County, New Mexico

To whom it may concern:

On behalf of Cimarex Energy Co. of Colorado (Cimarex), Carmona Resources, LLC has prepared this letter to document site activities for Red Hills Unit #36H, 37H, & 38H. The site is located at 32.09324°, -103.58468° within Unit D, S33, T25S, R33E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on June 26, 2022, due to a 6-inch hose connected to a frac tank developing a hole. It resulted in approximately two hundred thirty-five (235) barrels of produced water, and two hundred (200) barrels of produced water were recovered. The impacted area is located on the pad and is shown on Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest groundwater determination bore is located approximately 0.08 miles North of the site in S33, T25S, R33E and was drilled in 2022. The bore has shown no signs of water at a depth of 55 feet below ground surface (ft bgs). A copy of the groundwater determination bore log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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



- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- Chloride: 10,000 mg/kg

4.0 Site Assessment Activities

On September 1, 2022, Carmona Resources was on-site to define the release horizontally and vertically. A total of seven test trenches (T-1 through T-7) and seven (7) horizontal sample points (H-1 through H-7) were installed to total depths ranging from surface to 4 ft below the surface. 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 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 containing analytical methods, results, and chain-of-custody documents are attached in Appendix E. See Figure 3 for the sample locations.

The analytical results are provided in Table 1.

5.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and Cimarex formally requests closure of the spill. 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

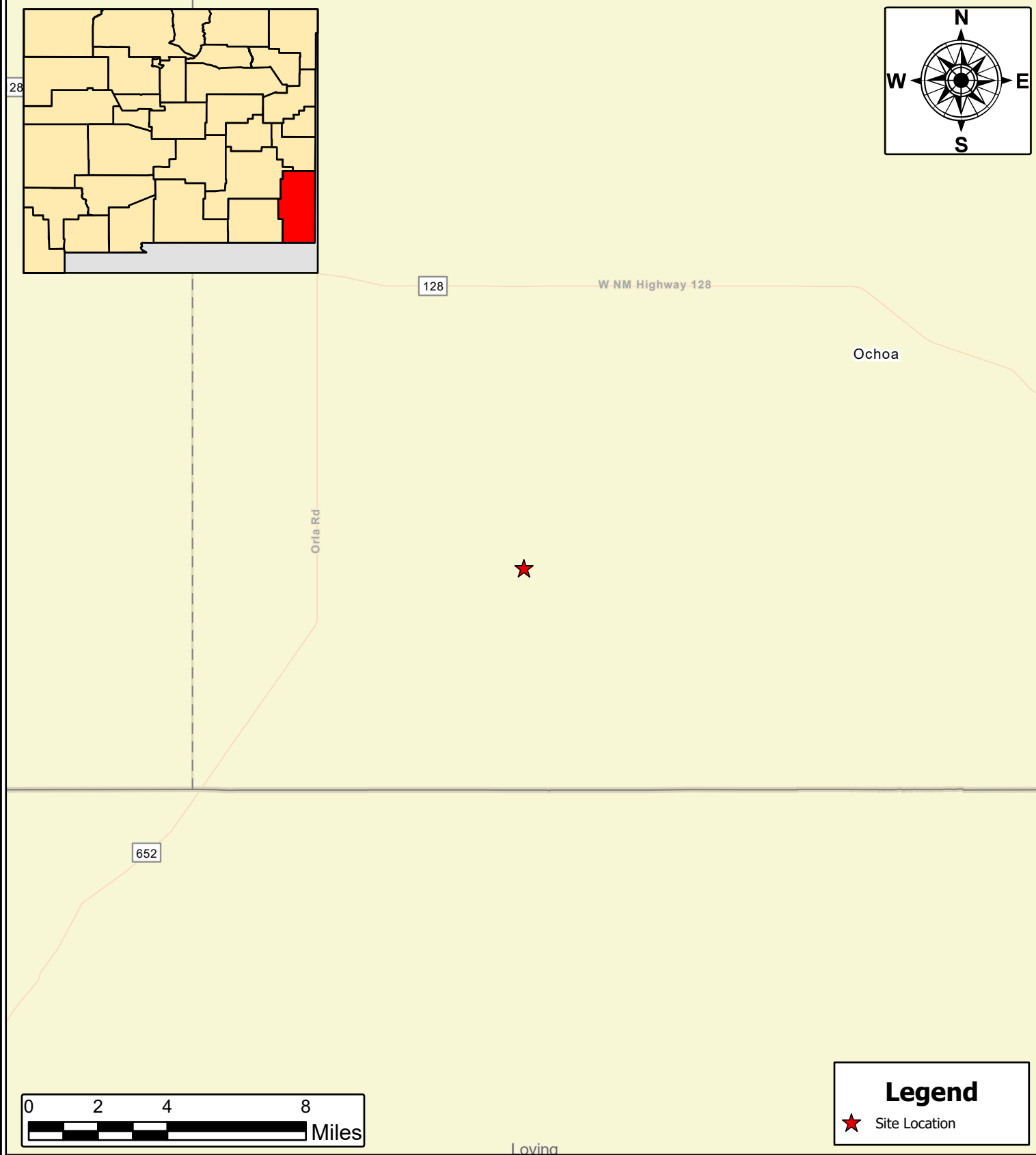
Mike Carmona
Environmental Manager

Ashton Thielke
Sr. Project Manager

FIGURES

CARMONA RESOURCES





OVERVIEW MAP
CIMAREX ENERGY CO. OF COLORADO
 RED HILLS 36H, 37H, 38H
 LEA COUNTY, NEW MEXICO
 32.092742, -103.584578

SCALE: As Shown

Date: 9/9/2022



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

NOTES:

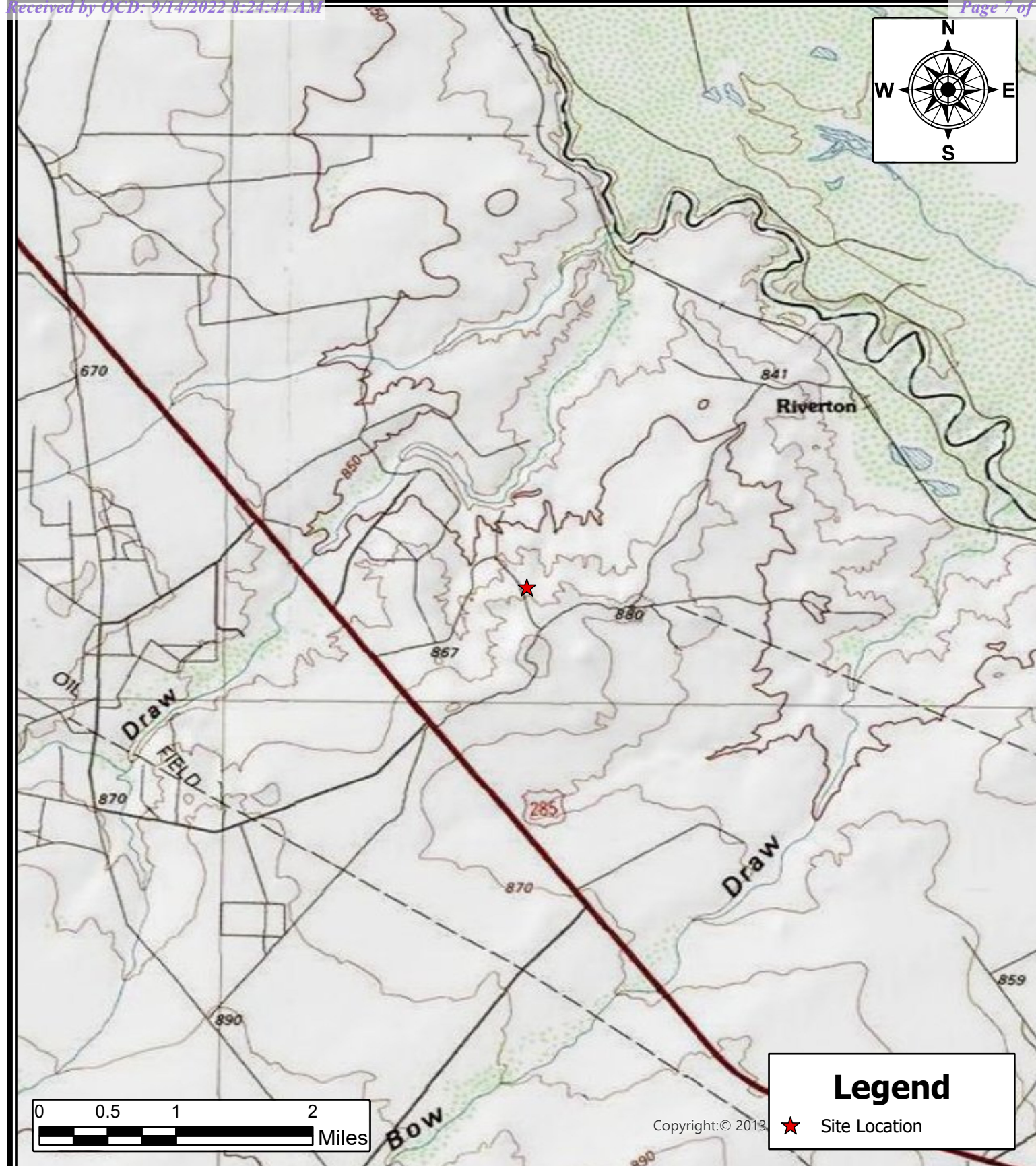
1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1



TOPOGRAPHIC MAP
CIMAREX ENERGY CO. OF COLORADO
 RED HILLS 36H, 37H, 38H
 LEA COUNTY, NEW MEXICO
 32.092742, -103.584578

SCALE: As Shown

Date: 9/9/2022



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

NOTES:

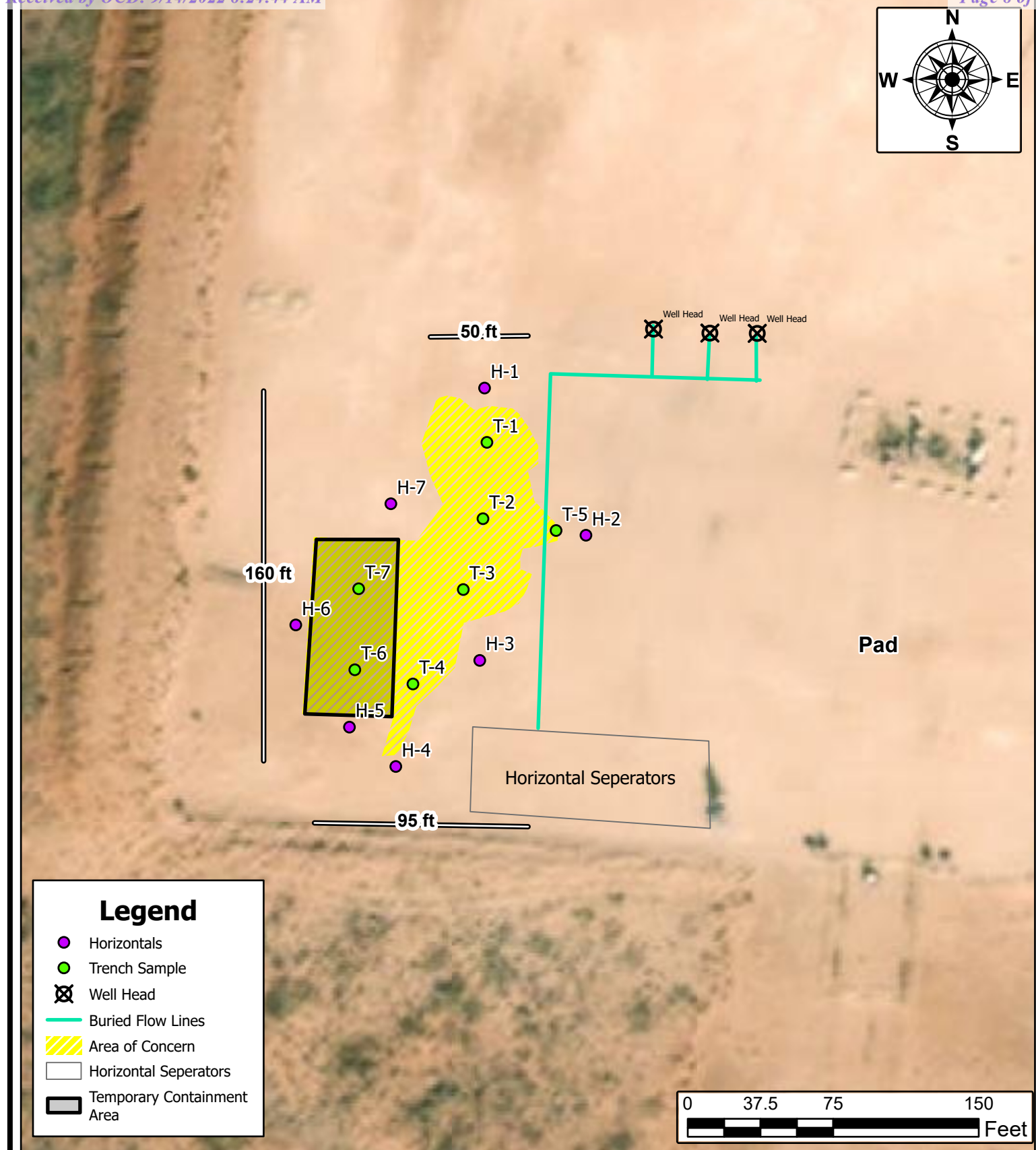
1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1



SAMPLE LOCATION MAP
CIMAREX ENERGY CO. OF COLORADO
 RED HILLS 36H, 37H, 38H
 LEA COUNTY, NEW MEXICO
 32.092742, -103.584578

SCALE: As Shown

Date: 9/9/2022



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

NOTES:

1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1

APPENDIX A

CARMONA RESOURCES



Table 1
Cimarex
Red Hills Unit #36H, 37H, & 38H
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						
T-1	9/1/2022	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	652
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	751
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	169
T-2	9/1/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	3,900
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	92.3
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	59.3
T-3	9/1/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00205	<0.00199	<0.00398	<0.00398	1,550
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.4
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	14.8
T-4	9/1/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	4,890
	"	1.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	110
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	19.8
T-5	9/1/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	2,000
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	283
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	79.4
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	35.4
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	22.9
T-6	9/1/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	305
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	93.0
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	92.2
T-7	9/1/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	269
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	150
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	295
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

(T) Test Trench

Table 1
Cimarex
Red Hills Unit #36H, 37H, & 38H
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						
H-1	9/1/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	199
H-2	9/1/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	105
H-3	9/1/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	101
H-4	9/1/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	77.8
H-5	9/1/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	110
H-6	9/1/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	69.4
H-7	9/1/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	107
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

(H) Horizontal Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Cimarex

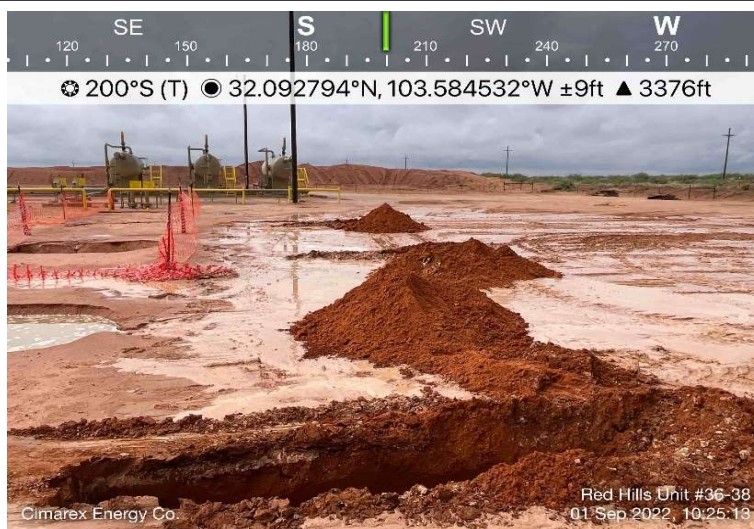
Photograph No. 1

Facility: Red Hills Unit #36H, 37H, & 38H

County: Lea County, New Mexico

Description:

View South, area of Test Trenches (T-1 through T-3).



Photograph No. 2

Facility: Red Hills Unit #36H, 37H, & 38H

County: Lea County, New Mexico

Description:

View North, area of Test Trenches (T-1 through T-3).



Photograph No. 3

Facility: Red Hills Unit #36H, 37H, & 38H

County: Lea County, New Mexico

Description:

View Southwest, area of Test Trench (T-4).



PHOTOGRAPHIC LOG

Cimarex

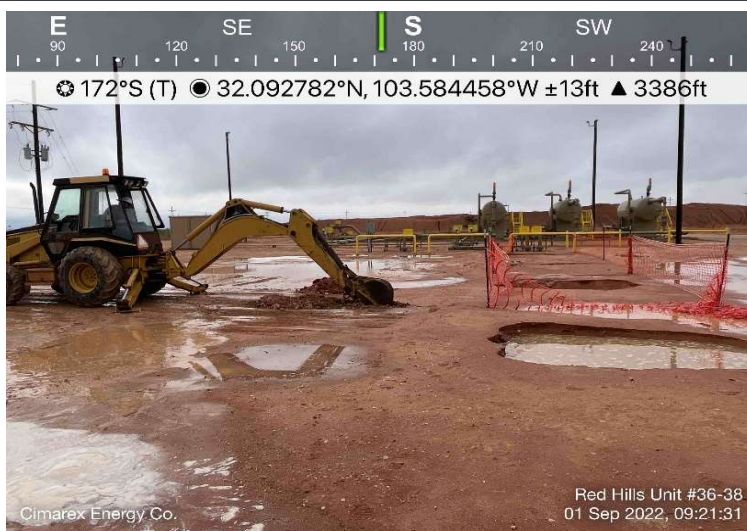
Photograph No. 4

Facility: Red Hills Unit #36H, 37H, & 38H

County: Lea County, New Mexico

Description:

View South, area of Test Trench (T-5).



Photograph No. 5

Facility: Red Hills Unit #36H, 37H, & 38H

County: Lea County, New Mexico

Description:

View East, area of Test Trench (T-6).



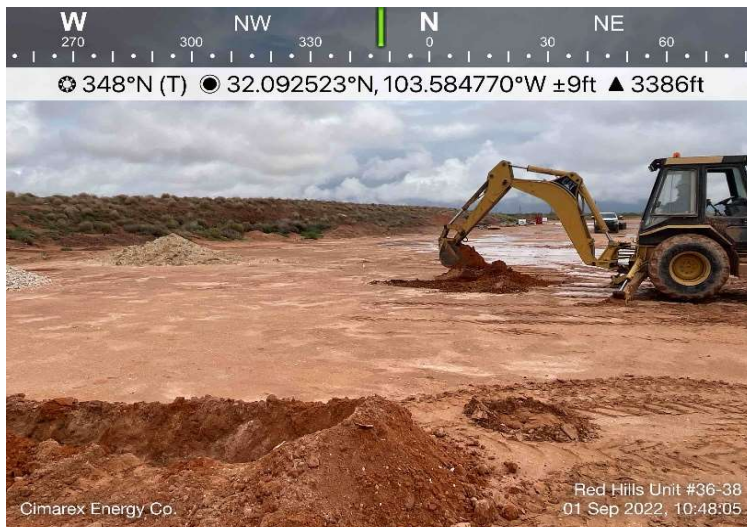
Photograph No. 6

Facility: Red Hills Unit #36H, 37H, & 38H

County: Lea County, New Mexico

Description:

View North, area of Test Trenches (T-6 and T-7).



APPENDIX C

CARMONA RESOURCES



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

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

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

Incident ID	nAPP2217770034
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co. of Colorado	OGRID: 162683
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: laci.luig@coterra.com	Incident # (assigned by OCD) nAPP2217770034
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.093244 _____ Longitude -103.58468 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Red Hills Unit 36H,37H,38H	Site Type: Well Pad
Date Release Discovered: 6/26/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
D	33	25S	33E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 235	Volume Recovered (bbls) 200
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Equipment Failure

A six-inch black hose broke between the manifold and the candy cane on the back of a frac tank due to corrosion, causing a release of 235 barrels of produced water onto the well pad. Two hundred barrels of produced water were released inside the containment, and 35 were released outside of containment. The standing fluids have been recovered, and the impacted soil will be removed.

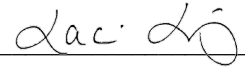
State of New Mexico
Oil Conservation Division

Incident ID	nAPP2217770034
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Total amount of release greater than 25 barrels.
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, Jim Griswold, BLM 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: 6/26/2022
email: laci.luig@coterra.com	Telephone: (432) 208-3035
<u>OCD Only</u>	
Received by: Jocelyn Harimon	Date: 09/14/2022

Incident ID	nAPP2217770034
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?	<u>>55'</u> (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

Incident ID	nAPP2217770034
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: Laci Luig_____ Title: ESH Specialist_____

Signature: Laci Luig_____ Date: 9/14/2022_____

email: laci.luig@coterra.com_____ Telephone: (432) 208-3035_____

OCD Only

Received by: Jocelyn Harimon_____ Date: 09/14/2022_____

Incident ID	nAPP2217770034
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Laci Luig Title: ESH Specialist

Signature: Laci Luig Date: 9/14/2022

email: laci.luig@coterra.com Telephone: (432) 208-3035

OCD Only

Received by: Jocelyn Harimon Date: 09/14/2022

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

Closure Approved by: Jennifer Nobui Date: 09/15/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

APPENDIX D

CARMONA RESOURCES

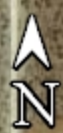


Nearest water well

Cimarex Energy Co. of Colorado

Legend

- 0.08 Miles
- 0.50 Mile Radius
- 2/10/2022 - >55' - Red Hills GWDB
- Red Hills 36H, 37H, & 38H



2000 ft

Low Karst

Cimarex Energy Co. of Colorado

Legend

Low

Medium

Red Hills 36H, 37H, & 38H

Red Hills 36H, 37H, & 38H



2000 ft



Daily Site Visit Report

Client:	Cimarex Energy Company of Colorado	Inspection Date:	2/10/2022
Site Location Name:	Red Hills Unit 1 SWD	Report Run Date:	2/28/2022 4:17 PM
Client Contact Name:	Kyle Blevins	API #:	
Client Contact Phone #:	(575)441-6781		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	2/10/2022 9:00 AM
Departed Site	2/10/2022 11:00 AM

Field Notes

9:10 Arrived on site and met up with Laci Luig from cimarex and no Scarborough drilling to drill for a GW bore.

9:14 Signed Cimarex JSA

Next Steps & Recommendations

1 Digitize the drilling log and come back within 72 hours to see if a bailer pulls up water. Borehole was drilled to 55 feet.

Daily Site Visit Report



Site Photos

Viewing Direction: North



Borehole Location

Viewing Direction: West



30' depth

Viewing Direction: West



PVC Installation

Viewing Direction: West



35' depth



Daily Site Visit Report

Viewing Direction: West  45' depth	Viewing Direction: West  50' depth
Viewing Direction: West  PVC casing installation	Viewing Direction: North  Top 30' and goes down in 5' increments to 50'

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Mike Moffitt

Signature:

A handwritten signature in black ink, appearing to read 'Mike Moffitt', written over a thin horizontal line. Below the line, the word 'Signature' is printed in a small font.



Daily Site Visit Report

Client:	Cimarex Energy Company of Colorado	Inspection Date:	2/15/2022
Site Location Name:	Red Hills Unit 1 SWD	Report Run Date:	2/28/2022 3:56 PM
Client Contact Name:	Kyle Blevins	API #:	
Client Contact Phone #:	(575)441-6781		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	2/15/2022 11:30 AM
Departed Site	2/15/2022 11:52 AM

Field Notes

- 11:42** Arrived on site to put a bailer down the borehole to see if water moves through the screen and collected at depth.
- 11:43** Tied off the bailer with rope and a slip note around my hand for 65 feet worth of depth. this was to account for the 2 inch casing above ground.
- 11:44** Sent the bailer down hole from on top of my truck bed.
- 11:45** Moisture was felt on the hand line while pulling the bailer up. This was likely due to humidity within the casing and having been left to sit for over 72 hours plus.
- 11:46** Pulled the bailer up and only moisture but no water was found to be present.
- 11:49** Total depth of the well was measured with a tape and weight to be 55 feet BGS and 61 feet total. The additional footage was from the 6ft of PVC casing located above the hole. The driller did this to make the Borehole location known to the workers on the pad.

Next Steps & Recommendations

- 1 Water was not present at the bottom of the borehole as evidenced by the results of trying to bail the well. This location is ready for P & A. No further testing will be required. GW is not present at 55' feet BGS.

Daily Site Visit Report



Site Photos

Viewing Direction: North



Location of Borehole and PVC casing above ground.

Viewing Direction: East



Bailer post DTGW test.

Daily Site Visit Report



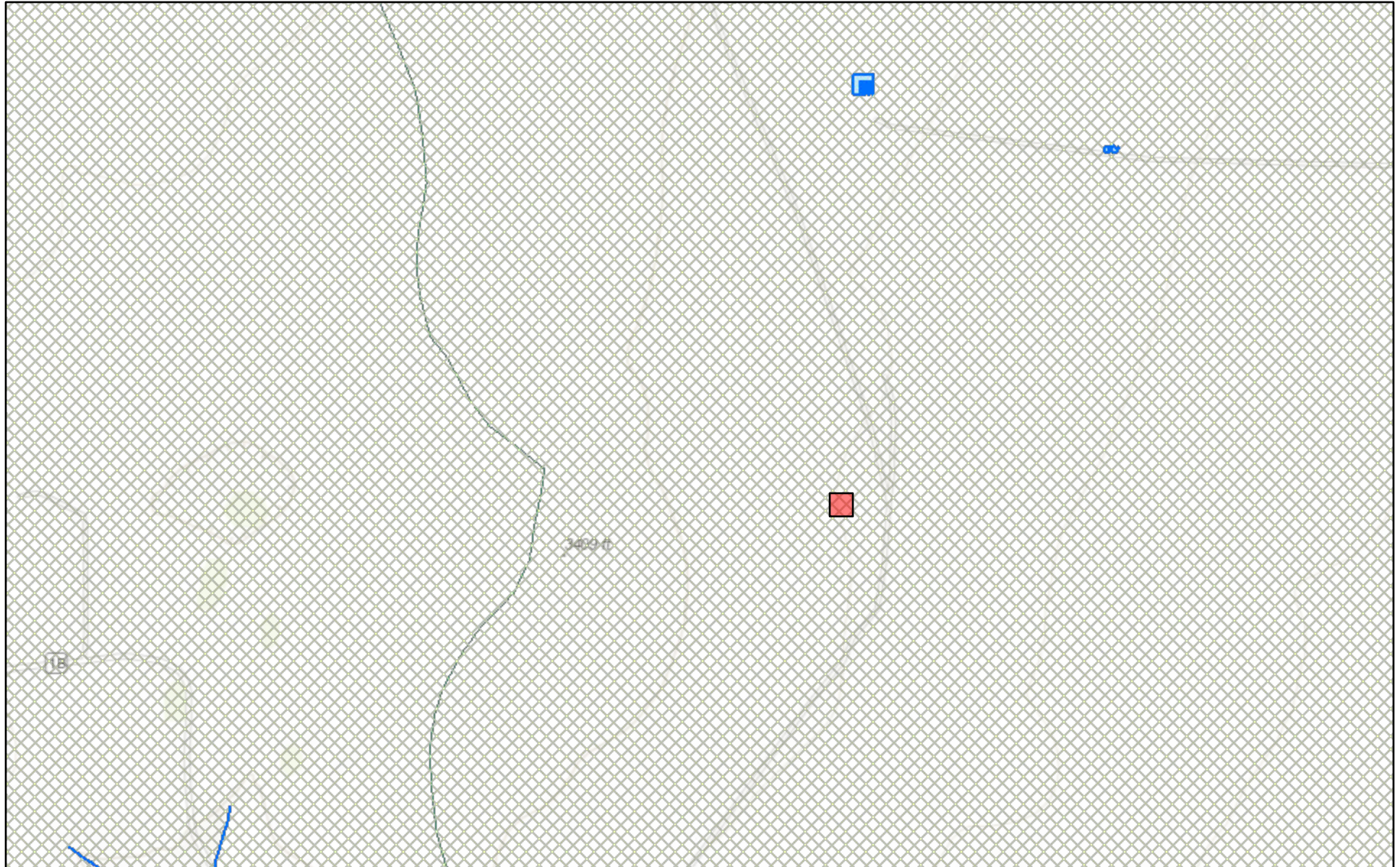
Daily Site Visit Signature

Inspector: Mike Moffitt

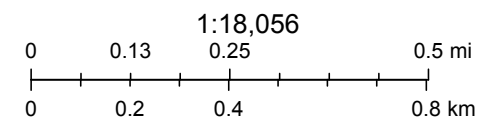
Signature:

A handwritten signature in black ink, appearing to be 'MM', written over a horizontal line. Below the line, the word 'Signature' is printed in a small font.

New Mexico NFHL Data



September 2, 2022



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-18783-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Red Hills 36H-38H

For:

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

Attn: Ashton Thielke

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

Authorized for release by:

9/9/2022 2:08:40 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Laboratory Job ID: 880-18783-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD 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: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Job ID: 880-18783-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-18783-1

Receipt

The samples were received on 9/1/2022 4:19 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-33569 and analytical batch 880-33649 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-18783-8), T-1 (1') (880-18783-9), T-2 (1') (880-18783-12) and T-4 (2') (880-18783-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: H-6 (0-1') (880-18783-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-2 (0-1') (880-18783-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-2 (2') (880-18783-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-33587/2-A), (LCSD 880-33587/3-A) and (MB 880-33587/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-4 (0-1') (880-18783-4), H-5 (0-1') (880-18783-5), H-6 (0-1') (880-18783-6), H-7 (0-1') (880-18783-7) and T-1 (0-1') (880-18783-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-2 (0-1') (880-18783-11) and T-2 (1') (880-18783-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-3 (0-1') (880-18783-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-3 (2') (880-18783-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-33588/2-A) and (LCSD 880-33588/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-5 (3') (880-18783-23) and T-5 (4') (880-18783-24). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-7 (1') (880-18783-29) and T-7 (2') (880-18783-30). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Job ID: 880-18783-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-33588 and analytical batch 880-33678 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

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.

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18783-1

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 12:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 12:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 12:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 12:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 12:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	09/01/22 16:40	09/08/22 12:11	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/01/22 16:40	09/08/22 12:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 12:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 12:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 12:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	09/02/22 07:54	09/03/22 12:00	1
o-Terphenyl	110		70 - 130	09/02/22 07:54	09/03/22 12:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	199		4.99		mg/Kg			09/03/22 11:52	1

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

Lab Sample ID: 880-18783-2

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/01/22 16:40	09/08/22 12:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/01/22 16:40	09/08/22 12:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/01/22 16:40	09/08/22 12:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/01/22 16:40	09/08/22 12:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/01/22 16:40	09/08/22 12:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/01/22 16:40	09/08/22 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	09/01/22 16:40	09/08/22 12:32	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/01/22 16:40	09/08/22 12:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18783-2

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 13:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 13:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				09/02/22 07:54	09/03/22 13:05	1
o-Terphenyl	114		70 - 130				09/02/22 07:54	09/03/22 13:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		5.01		mg/Kg			09/03/22 12:14	1

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

Lab Sample ID: 880-18783-3

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 12:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 12:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 12:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/01/22 16:40	09/08/22 12:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 12:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/01/22 16:40	09/08/22 12:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/01/22 16:40	09/08/22 12:52	1
1,4-Difluorobenzene (Surr)	123		70 - 130				09/01/22 16:40	09/08/22 12:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 13:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 13:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18783-3

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 13:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				09/02/22 07:54	09/03/22 13:26	1
o-Terphenyl	110		70 - 130				09/02/22 07:54	09/03/22 13:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		4.97		mg/Kg			09/03/22 12:21	1

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

Lab Sample ID: 880-18783-4

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 13:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 13:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 13:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 13:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 13:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				09/01/22 16:40	09/08/22 13:13	1
1,4-Difluorobenzene (Surr)	110		70 - 130				09/01/22 16:40	09/08/22 13:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 13:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 13:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				09/02/22 07:54	09/03/22 13:48	1
o-Terphenyl	131	S1+	70 - 130				09/02/22 07:54	09/03/22 13:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.8		5.02		mg/Kg			09/03/22 12:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18783-5

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 13:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 13:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 13:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 13:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 13:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	09/01/22 16:40	09/08/22 13:33	1
1,4-Difluorobenzene (Surr)	103		70 - 130	09/01/22 16:40	09/08/22 13:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 14:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 14:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	09/02/22 07:54	09/03/22 14:09	1
o-Terphenyl	129		70 - 130	09/02/22 07:54	09/03/22 14:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		4.98		mg/Kg			09/03/22 12:35	1

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

Lab Sample ID: 880-18783-6

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 13:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 13:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 13:53	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/01/22 16:40	09/08/22 13:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 13:53	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/01/22 16:40	09/08/22 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	09/01/22 16:40	09/08/22 13:53	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130	09/01/22 16:40	09/08/22 13:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18783-6

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 14:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 14:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				09/02/22 07:54	09/03/22 14:30	1
o-Terphenyl	129		70 - 130				09/02/22 07:54	09/03/22 14:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.4		4.97		mg/Kg			09/03/22 12:57	1

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

Lab Sample ID: 880-18783-7

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 14:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 14:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 14:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/01/22 16:40	09/08/22 14:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 14:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/01/22 16:40	09/08/22 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				09/01/22 16:40	09/08/22 14:14	1
1,4-Difluorobenzene (Surr)	110		70 - 130				09/01/22 16:40	09/08/22 14:14	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 14:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 14:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18783-7

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				09/02/22 07:54	09/03/22 14:52	1
o-Terphenyl	129		70 - 130				09/02/22 07:54	09/03/22 14:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		4.99		mg/Kg			09/03/22 13:04	1

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-18783-8

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 14:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 14:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 14:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/01/22 16:40	09/08/22 14:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 14:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/01/22 16:40	09/08/22 14:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				09/01/22 16:40	09/08/22 14:34	1
1,4-Difluorobenzene (Surr)	141	S1+	70 - 130				09/01/22 16:40	09/08/22 14:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/02/22 07:54	09/03/22 15:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/02/22 07:54	09/03/22 15:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/02/22 07:54	09/03/22 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				09/02/22 07:54	09/03/22 15:13	1
o-Terphenyl	133	S1+	70 - 130				09/02/22 07:54	09/03/22 15:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	652		5.03		mg/Kg			09/03/22 13:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-1 (1')

Lab Sample ID: 880-18783-9

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 14:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 14:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 14:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 14:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 14:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	55	S1-	70 - 130	09/01/22 16:40	09/08/22 14:55	1
1,4-Difluorobenzene (Surr)	125		70 - 130	09/01/22 16:40	09/08/22 14:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 15:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 15:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	09/02/22 07:54	09/03/22 15:34	1
o-Terphenyl	113		70 - 130	09/02/22 07:54	09/03/22 15:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	751		5.01		mg/Kg			09/03/22 13:18	1

Client Sample ID: T-1 (2')

Lab Sample ID: 880-18783-10

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 15:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 15:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 15:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 15:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 15:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	09/01/22 16:40	09/08/22 15:15	1
1,4-Difluorobenzene (Surr)	103		70 - 130	09/01/22 16:40	09/08/22 15:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-1 (2')

Lab Sample ID: 880-18783-10

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 15:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 15:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				09/02/22 07:54	09/03/22 15:56	1
o-Terphenyl	119		70 - 130				09/02/22 07:54	09/03/22 15:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	169		4.99		mg/Kg			09/03/22 13:25	1

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-18783-11

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 17:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 17:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 17:06	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/01/22 16:40	09/08/22 17:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 17:06	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/01/22 16:40	09/08/22 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				09/01/22 16:40	09/08/22 17:06	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130				09/01/22 16:40	09/08/22 17:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 16:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 16:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-18783-11

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				09/02/22 07:54	09/03/22 16:38	1
o-Terphenyl	139	S1+	70 - 130				09/02/22 07:54	09/03/22 16:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3900		24.9		mg/Kg			09/03/22 13:32	5

Client Sample ID: T-2 (1')

Lab Sample ID: 880-18783-12

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 17:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 17:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 17:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/01/22 16:40	09/08/22 17:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 17:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/01/22 16:40	09/08/22 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				09/01/22 16:40	09/08/22 17:26	1
1,4-Difluorobenzene (Surr)	139	S1+	70 - 130				09/01/22 16:40	09/08/22 17:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				09/02/22 07:54	09/03/22 17:00	1
o-Terphenyl	135	S1+	70 - 130				09/02/22 07:54	09/03/22 17:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.3		4.95		mg/Kg			09/03/22 13:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-2 (2')

Lab Sample ID: 880-18783-13

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 17:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 17:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 17:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/01/22 16:40	09/08/22 17:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 17:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/01/22 16:40	09/08/22 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	09/01/22 16:40	09/08/22 17:46	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130	09/01/22 16:40	09/08/22 17:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 17:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 17:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	09/02/22 07:54	09/03/22 17:21	1
o-Terphenyl	120		70 - 130	09/02/22 07:54	09/03/22 17:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.3		5.00		mg/Kg			09/03/22 14:01	1

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-18783-14

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 18:07	1
Toluene	0.00205		0.00199		mg/Kg		09/01/22 16:40	09/08/22 18:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 18:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 18:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 18:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/01/22 16:40	09/08/22 18:07	1
1,4-Difluorobenzene (Surr)	119		70 - 130	09/01/22 16:40	09/08/22 18:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-18783-14

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 17:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 17:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 17:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				09/02/22 07:54	09/03/22 17:42	1
o-Terphenyl	131	S1+	70 - 130				09/02/22 07:54	09/03/22 17:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1550		25.0		mg/Kg			09/03/22 14:23	5

Client Sample ID: T-3 (1')

Lab Sample ID: 880-18783-15

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 18:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 18:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 18:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 18:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:40	09/08/22 18:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/01/22 16:40	09/08/22 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				09/01/22 16:40	09/08/22 18:27	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/01/22 16:40	09/08/22 18:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 18:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 18:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-3 (1')

Lab Sample ID: 880-18783-15

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				09/02/22 07:54	09/03/22 18:03	1
o-Terphenyl	121		70 - 130				09/02/22 07:54	09/03/22 18:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.4		4.96		mg/Kg			09/03/22 14:30	1

Client Sample ID: T-3 (2')

Lab Sample ID: 880-18783-16

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 18:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 18:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 18:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/01/22 16:40	09/08/22 18:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 18:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/01/22 16:40	09/08/22 18:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				09/01/22 16:40	09/08/22 18:48	1
1,4-Difluorobenzene (Surr)	122		70 - 130				09/01/22 16:40	09/08/22 18:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 18:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 18:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				09/02/22 07:54	09/03/22 18:24	1
o-Terphenyl	135	S1+	70 - 130				09/02/22 07:54	09/03/22 18:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		5.04		mg/Kg			09/03/22 14:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-18783-17

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 19:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 19:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 19:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/01/22 16:40	09/08/22 19:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 19:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/01/22 16:40	09/08/22 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	09/01/22 16:40	09/08/22 19:08	1
1,4-Difluorobenzene (Surr)	102		70 - 130	09/01/22 16:40	09/08/22 19:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 18:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 18:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	09/02/22 07:54	09/03/22 18:45	1
o-Terphenyl	117		70 - 130	09/02/22 07:54	09/03/22 18:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4890		50.5		mg/Kg			09/03/22 14:44	10

Client Sample ID: T-4 (1')

Lab Sample ID: 880-18783-18

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 19:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 19:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 19:29	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/01/22 16:40	09/08/22 19:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/01/22 16:40	09/08/22 19:29	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/01/22 16:40	09/08/22 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	09/01/22 16:40	09/08/22 19:29	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/01/22 16:40	09/08/22 19:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-4 (1')

Lab Sample ID: 880-18783-18

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/02/22 07:54	09/03/22 19:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/02/22 07:54	09/03/22 19:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/02/22 07:54	09/03/22 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				09/02/22 07:54	09/03/22 19:06	1
o-Terphenyl	116		70 - 130				09/02/22 07:54	09/03/22 19:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		4.97		mg/Kg			09/03/22 14:51	1

Client Sample ID: T-4 (2')

Lab Sample ID: 880-18783-19

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 19:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 19:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 19:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/01/22 16:40	09/08/22 19:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 19:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/01/22 16:40	09/08/22 19:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	30	S1-	70 - 130				09/01/22 16:40	09/08/22 19:49	1
1,4-Difluorobenzene (Surr)	109		70 - 130				09/01/22 16:40	09/08/22 19:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 19:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 19:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-4 (2')

Lab Sample ID: 880-18783-19

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 19:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				09/02/22 07:54	09/03/22 19:27	1
o-Terphenyl	111		70 - 130				09/02/22 07:54	09/03/22 19:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.8		5.00		mg/Kg			09/03/22 14:58	1

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-18783-20

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/01/22 16:40	09/08/22 20:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/01/22 16:40	09/08/22 20:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/01/22 16:40	09/08/22 20:09	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/01/22 16:40	09/08/22 20:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/01/22 16:40	09/08/22 20:09	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/01/22 16:40	09/08/22 20:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				09/01/22 16:40	09/08/22 20:09	1
1,4-Difluorobenzene (Surr)	103		70 - 130				09/01/22 16:40	09/08/22 20:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 19:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 19:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:54	09/03/22 19:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				09/02/22 07:54	09/03/22 19:49	1
o-Terphenyl	103		70 - 130				09/02/22 07:54	09/03/22 19:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2000		24.9		mg/Kg			09/03/22 15:06	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-5 (1')

Lab Sample ID: 880-18783-21

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:28	09/02/22 22:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:28	09/02/22 22:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:28	09/02/22 22:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/01/22 16:28	09/02/22 22:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:28	09/02/22 22:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/01/22 16:28	09/02/22 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	09/01/22 16:28	09/02/22 22:42	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/01/22 16:28	09/02/22 22:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/02/22 07:58	09/03/22 21:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/03/22 21:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/03/22 21:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	09/02/22 07:58	09/03/22 21:34	1
o-Terphenyl	112		70 - 130	09/02/22 07:58	09/03/22 21:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	283		4.98		mg/Kg			09/03/22 16:03	1

Client Sample ID: T-5 (2')

Lab Sample ID: 880-18783-22

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:28	09/02/22 23:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:28	09/02/22 23:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:28	09/02/22 23:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/01/22 16:28	09/02/22 23:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/01/22 16:28	09/02/22 23:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/01/22 16:28	09/02/22 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	09/01/22 16:28	09/02/22 23:02	1
1,4-Difluorobenzene (Surr)	103		70 - 130	09/01/22 16:28	09/02/22 23:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-5 (2')

Lab Sample ID: 880-18783-22

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/02/22 07:58	09/03/22 22:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/03/22 22:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/03/22 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				09/02/22 07:58	09/03/22 22:38	1
o-Terphenyl	109		70 - 130				09/02/22 07:58	09/03/22 22:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.4		4.96		mg/Kg			09/03/22 16:24	1

Client Sample ID: T-5 (3')

Lab Sample ID: 880-18783-23

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:28	09/02/22 23:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:28	09/02/22 23:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:28	09/02/22 23:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/01/22 16:28	09/02/22 23:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:28	09/02/22 23:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/01/22 16:28	09/02/22 23:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				09/01/22 16:28	09/02/22 23:23	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/01/22 16:28	09/02/22 23:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/02/22 07:58	09/03/22 22:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/22 07:58	09/03/22 22:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-5 (3')

Lab Sample ID: 880-18783-23

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/22 07:58	09/03/22 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				09/02/22 07:58	09/03/22 22:59	1
o-Terphenyl	126		70 - 130				09/02/22 07:58	09/03/22 22:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.4		5.04		mg/Kg			09/03/22 16:32	1

Client Sample ID: T-5 (4')

Lab Sample ID: 880-18783-24

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:28	09/02/22 23:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:28	09/02/22 23:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:28	09/02/22 23:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/01/22 16:28	09/02/22 23:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:28	09/02/22 23:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/01/22 16:28	09/02/22 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/01/22 16:28	09/02/22 23:43	1
1,4-Difluorobenzene (Surr)	105		70 - 130				09/01/22 16:28	09/02/22 23:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/02/22 07:58	09/03/22 23:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/03/22 23:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/03/22 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				09/02/22 07:58	09/03/22 23:19	1
o-Terphenyl	124		70 - 130				09/02/22 07:58	09/03/22 23:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.9		5.02		mg/Kg			09/05/22 14:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-18783-25

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/01/22 16:28	09/03/22 00:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/01/22 16:28	09/03/22 00:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/01/22 16:28	09/03/22 00:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/01/22 16:28	09/03/22 00:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/01/22 16:28	09/03/22 00:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/01/22 16:28	09/03/22 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	09/01/22 16:28	09/03/22 00:04	1
1,4-Difluorobenzene (Surr)	104		70 - 130	09/01/22 16:28	09/03/22 00:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/02/22 07:58	09/03/22 23:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/03/22 23:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/03/22 23:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	09/02/22 07:58	09/03/22 23:41	1
o-Terphenyl	110		70 - 130	09/02/22 07:58	09/03/22 23:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	305		5.00		mg/Kg			09/05/22 14:18	1

Client Sample ID: T-6 (1')

Lab Sample ID: 880-18783-26

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:22	09/05/22 04:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:22	09/05/22 04:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:22	09/05/22 04:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/02/22 15:22	09/05/22 04:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:22	09/05/22 04:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/02/22 15:22	09/05/22 04:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	09/02/22 15:22	09/05/22 04:36	1
1,4-Difluorobenzene (Surr)	103		70 - 130	09/02/22 15:22	09/05/22 04:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-6 (1')

Lab Sample ID: 880-18783-26

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/02/22 07:58	09/04/22 00:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/04/22 00:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/04/22 00:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				09/02/22 07:58	09/04/22 00:02	1
o-Terphenyl	116		70 - 130				09/02/22 07:58	09/04/22 00:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.0		5.00		mg/Kg			09/05/22 14:39	1

Client Sample ID: T-6 (2')

Lab Sample ID: 880-18783-27

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/02/22 15:22	09/05/22 04:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/02/22 15:22	09/05/22 04:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/02/22 15:22	09/05/22 04:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/02/22 15:22	09/05/22 04:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/02/22 15:22	09/05/22 04:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/02/22 15:22	09/05/22 04:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				09/02/22 15:22	09/05/22 04:57	1
1,4-Difluorobenzene (Surr)	98		70 - 130				09/02/22 15:22	09/05/22 04:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/02/22 07:58	09/04/22 00:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/04/22 00:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-6 (2')

Lab Sample ID: 880-18783-27

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/04/22 00:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				09/02/22 07:58	09/04/22 00:23	1
o-Terphenyl	114		70 - 130				09/02/22 07:58	09/04/22 00:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.2		5.01		mg/Kg			09/05/22 14:47	1

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-18783-28

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:22	09/05/22 05:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:22	09/05/22 05:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:22	09/05/22 05:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/02/22 15:22	09/05/22 05:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:22	09/05/22 05:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/02/22 15:22	09/05/22 05:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				09/02/22 15:22	09/05/22 05:17	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/02/22 15:22	09/05/22 05:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/02/22 07:58	09/04/22 00:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/22 07:58	09/04/22 00:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/22 07:58	09/04/22 00:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				09/02/22 07:58	09/04/22 00:44	1
o-Terphenyl	113		70 - 130				09/02/22 07:58	09/04/22 00:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	269		4.97		mg/Kg			09/05/22 14:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-7 (1')

Lab Sample ID: 880-18783-29

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:22	09/05/22 05:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:22	09/05/22 05:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:22	09/05/22 05:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/02/22 15:22	09/05/22 05:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:22	09/05/22 05:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/02/22 15:22	09/05/22 05:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	09/02/22 15:22	09/05/22 05:38	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/02/22 15:22	09/05/22 05:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/02/22 07:58	09/04/22 01:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/22 07:58	09/04/22 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/22 07:58	09/04/22 01:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130	09/02/22 07:58	09/04/22 01:05	1
o-Terphenyl	128		70 - 130	09/02/22 07:58	09/04/22 01:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		4.95		mg/Kg			09/05/22 15:01	1

Client Sample ID: T-7 (2')

Lab Sample ID: 880-18783-30

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:22	09/05/22 05:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:22	09/05/22 05:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:22	09/05/22 05:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/02/22 15:22	09/05/22 05:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/02/22 15:22	09/05/22 05:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/02/22 15:22	09/05/22 05:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	09/02/22 15:22	09/05/22 05:58	1
1,4-Difluorobenzene (Surr)	102		70 - 130	09/02/22 15:22	09/05/22 05:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-7 (2')

Lab Sample ID: 880-18783-30

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/06/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/02/22 07:58	09/04/22 01:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/04/22 01:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/22 07:58	09/04/22 01:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				09/02/22 07:58	09/04/22 01:26	1
o-Terphenyl	126		70 - 130				09/02/22 07:58	09/04/22 01:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	295		4.96		mg/Kg			09/05/22 15:08	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-18778-A-1-C MS	Matrix Spike	94	107
880-18778-A-1-D MSD	Matrix Spike Duplicate	98	104
880-18783-1	H-1 (0-1')	87	106
880-18783-1 MS	H-1 (0-1')	93	102
880-18783-1 MSD	H-1 (0-1')	85	107
880-18783-2	H- 2 (0-1')	87	101
880-18783-3	H-3 (0-1')	90	123
880-18783-4	H-4 (0-1')	86	110
880-18783-5	H-5 (0-1')	86	103
880-18783-6	H-6 (0-1')	86	131 S1+
880-18783-7	H-7 (0-1')	94	110
880-18783-8	T-1 (0-1')	77	141 S1+
880-18783-9	T-1 (1')	55 S1-	125
880-18783-10	T-1 (2')	83	103
880-18783-11	T-2 (0-1')	100	131 S1+
880-18783-12	T-2 (1')	81	139 S1+
880-18783-13	T-2 (2')	76	131 S1+
880-18783-14	T-3 (0-1')	107	119
880-18783-15	T-3 (1')	86	102
880-18783-16	T-3 (2')	81	122
880-18783-17	T-4 (0-1')	87	102
880-18783-18	T-4 (1')	89	106
880-18783-19	T-4 (2')	30 S1-	109
880-18783-20	T-5 (0-1')	88	103
880-18783-21	T-5 (1')	98	106
880-18783-22	T-5 (2')	89	103
880-18783-23	T-5 (3')	87	101
880-18783-24	T-5 (4')	90	105
880-18783-25	T-6 (0-1')	93	104
880-18783-26	T-6 (1')	85	103
880-18783-26 MS	T-6 (1')	88	102
880-18783-26 MSD	T-6 (1')	89	101
880-18783-27	T-6 (2')	85	98
880-18783-28	T-7 (0-1')	84	101
880-18783-29	T-7 (1')	86	101
880-18783-30	T-7 (2')	86	102
LCS 880-33569/1-A	Lab Control Sample	97	99
LCS 880-33570/1-A	Lab Control Sample	82	105
LCS 880-33659/1-A	Lab Control Sample	88	103
LCSD 880-33569/2-A	Lab Control Sample Dup	92	103
LCSD 880-33570/2-A	Lab Control Sample Dup	85	100
LCSD 880-33659/2-A	Lab Control Sample Dup	90	102
MB 880-33384/5-A	Method Blank	78	121
MB 880-33569/5-A	Method Blank	77	120
MB 880-33570/5-A	Method Blank	82	117
MB 880-33659/5-A	Method Blank	79	110

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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)
880-18783-1	H-1 (0-1')	116	110
880-18783-1 MS	H-1 (0-1')	112	91
880-18783-1 MSD	H-1 (0-1')	115	94
880-18783-2	H- 2 (0-1')	122	114
880-18783-3	H-3 (0-1')	118	110
880-18783-4	H-4 (0-1')	143 S1+	131 S1+
880-18783-5	H-5 (0-1')	138 S1+	129
880-18783-6	H-6 (0-1')	139 S1+	129
880-18783-7	H-7 (0-1')	140 S1+	129
880-18783-8	T-1 (0-1')	143 S1+	133 S1+
880-18783-9	T-1 (1')	120	113
880-18783-10	T-1 (2')	123	119
880-18783-11	T-2 (0-1')	150 S1+	139 S1+
880-18783-12	T-2 (1')	148 S1+	135 S1+
880-18783-13	T-2 (2')	129	120
880-18783-14	T-3 (0-1')	140 S1+	131 S1+
880-18783-15	T-3 (1')	126	121
880-18783-16	T-3 (2')	150 S1+	135 S1+
880-18783-17	T-4 (0-1')	124	117
880-18783-18	T-4 (1')	126	116
880-18783-19	T-4 (2')	128	111
880-18783-20	T-5 (0-1')	108	103
880-18783-21	T-5 (1')	119	112
880-18783-21 MS	T-5 (1')	100	89
880-18783-21 MSD	T-5 (1')	118	90
880-18783-22	T-5 (2')	120	109
880-18783-23	T-5 (3')	141 S1+	126
880-18783-24	T-5 (4')	140 S1+	124
880-18783-25	T-6 (0-1')	118	110
880-18783-26	T-6 (1')	120	116
880-18783-27	T-6 (2')	126	114
880-18783-28	T-7 (0-1')	122	113
880-18783-29	T-7 (1')	142 S1+	128
880-18783-30	T-7 (2')	135 S1+	126
LCS 880-33587/2-A	Lab Control Sample	161 S1+	141 S1+
LCS 880-33588/2-A	Lab Control Sample	166 S1+	137 S1+
LCSD 880-33587/3-A	Lab Control Sample Dup	163 S1+	164 S1+
LCSD 880-33588/3-A	Lab Control Sample Dup	142 S1+	127
MB 880-33587/1-A	Method Blank	147 S1+	135 S1+
MB 880-33588/1-A	Method Blank	124	122

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-33384/5-A

Matrix: Solid

Analysis Batch: 33694

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/30/22 15:53	09/04/22 16:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/30/22 15:53	09/04/22 16:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/30/22 15:53	09/04/22 16:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/30/22 15:53	09/04/22 16:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/30/22 15:53	09/04/22 16:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/30/22 15:53	09/04/22 16:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	08/30/22 15:53	09/04/22 16:32	1
1,4-Difluorobenzene (Surr)	121		70 - 130	08/30/22 15:53	09/04/22 16:32	1

Lab Sample ID: MB 880-33569/5-A

Matrix: Solid

Analysis Batch: 33649

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33569

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:28	09/02/22 17:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:28	09/02/22 17:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:28	09/02/22 17:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/01/22 16:28	09/02/22 17:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:28	09/02/22 17:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/01/22 16:28	09/02/22 17:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	09/01/22 16:28	09/02/22 17:19	1
1,4-Difluorobenzene (Surr)	120		70 - 130	09/01/22 16:28	09/02/22 17:19	1

Lab Sample ID: LCS 880-33569/1-A

Matrix: Solid

Analysis Batch: 33649

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33569

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1094		mg/Kg		109	70 - 130
Toluene	0.100	0.1098		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1075		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.1975		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1025		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-33569/2-A

Matrix: Solid

Analysis Batch: 33649

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 33569

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1045		mg/Kg		105	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-33569/2-A

Matrix: Solid

Analysis Batch: 33649

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 33569

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1046		mg/Kg		105	70 - 130	5	35
Ethylbenzene	0.100	0.1015		mg/Kg		102	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1869		mg/Kg		93	70 - 130	6	35
o-Xylene	0.100	0.09771		mg/Kg		98	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-18778-A-1-C MS

Matrix: Solid

Analysis Batch: 33649

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 33569

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.101	0.05729	F1	mg/Kg		57	70 - 130
Toluene	<0.00202	U F1	0.101	0.05652	F1	mg/Kg		56	70 - 130
Ethylbenzene	<0.00202	U	0.101	0.07392		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00403	U F1	0.201	0.1237	F1	mg/Kg		61	70 - 130
o-Xylene	<0.00202	U	0.101	0.08371		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-18778-A-1-D MSD

Matrix: Solid

Analysis Batch: 33649

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 33569

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.0990	0.04517	F1	mg/Kg		46	70 - 130	24	35
Toluene	<0.00202	U F1	0.0990	0.05278	F1	mg/Kg		53	70 - 130	7	35
Ethylbenzene	<0.00202	U	0.0990	0.07614		mg/Kg		77	70 - 130	3	35
m-Xylene & p-Xylene	<0.00403	U F1	0.198	0.1292	F1	mg/Kg		65	70 - 130	4	35
o-Xylene	<0.00202	U	0.0990	0.08610		mg/Kg		87	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-33570/5-A

Matrix: Solid

Analysis Batch: 33983

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 11:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 11:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 11:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/01/22 16:40	09/08/22 11:43	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-33570/5-A

Matrix: Solid

Analysis Batch: 33983

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:40	09/08/22 11:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/01/22 16:40	09/08/22 11:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				09/01/22 16:40	09/08/22 11:43	1
1,4-Difluorobenzene (Surr)	117		70 - 130				09/01/22 16:40	09/08/22 11:43	1

Lab Sample ID: LCS 880-33570/1-A

Matrix: Solid

Analysis Batch: 33983

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1091		mg/Kg		109	70 - 130
Toluene	0.100	0.09763		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09523		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1714		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08747		mg/Kg		87	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	82		70 - 130				
1,4-Difluorobenzene (Surr)	105		70 - 130				

Lab Sample ID: LCSD 880-33570/2-A

Matrix: Solid

Analysis Batch: 33983

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 33570

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09968		mg/Kg		100	70 - 130	9	35
Toluene	0.100	0.09757		mg/Kg		98	70 - 130	0	35
Ethylbenzene	0.100	0.09298		mg/Kg		93	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1684		mg/Kg		84	70 - 130	2	35
o-Xylene	0.100	0.08790		mg/Kg		88	70 - 130	0	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	85		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 880-18783-1 MS

Matrix: Solid

Analysis Batch: 33983

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

Prep Type: Total/NA

Prep Batch: 33570

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.09212		mg/Kg		92	70 - 130
Toluene	<0.00199	U	0.0998	0.09270		mg/Kg		93	70 - 130
Ethylbenzene	<0.00199	U	0.0998	0.08904		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1583		mg/Kg		79	70 - 130
o-Xylene	<0.00199	U	0.0998	0.08128		mg/Kg		81	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18783-1 MS

Matrix: Solid

Analysis Batch: 33983

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

Prep Type: Total/NA

Prep Batch: 33570

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-18783-1 MSD

Matrix: Solid

Analysis Batch: 33983

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

Prep Type: Total/NA

Prep Batch: 33570

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1186		mg/Kg		118	70 - 130	25	35
Toluene	<0.00199	U	0.100	0.1022		mg/Kg		102	70 - 130	10	35
Ethylbenzene	<0.00199	U	0.100	0.09899		mg/Kg		99	70 - 130	11	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1783		mg/Kg		89	70 - 130	12	35
o-Xylene	<0.00199	U	0.100	0.09082		mg/Kg		90	70 - 130	11	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: MB 880-33659/5-A

Matrix: Solid

Analysis Batch: 33694

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33659

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:22	09/05/22 04:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:22	09/05/22 04:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:22	09/05/22 04:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/02/22 15:22	09/05/22 04:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/02/22 15:22	09/05/22 04:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/02/22 15:22	09/05/22 04:08	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	79		70 - 130	09/02/22 15:22	09/05/22 04:08	1			
1,4-Difluorobenzene (Surr)	110		70 - 130	09/02/22 15:22	09/05/22 04:08	1			

Lab Sample ID: LCS 880-33659/1-A

Matrix: Solid

Analysis Batch: 33694

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33659

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1055		mg/Kg		105	70 - 130
Toluene	0.100	0.1037		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.09939		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1798		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09407		mg/Kg		94	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-33659/1-A

Matrix: Solid

Analysis Batch: 33694

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33659

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

Lab Sample ID: LCSD 880-33659/2-A

Matrix: Solid

Analysis Batch: 33694

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 33659

	LCS	LCS							%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Benzene	0.100	0.1041		mg/Kg		104	70 - 130	1	35		
Toluene	0.100	0.1068		mg/Kg		107	70 - 130	3	35		
Ethylbenzene	0.100	0.1024		mg/Kg		102	70 - 130	3	35		
m-Xylene & p-Xylene	0.200	0.1859		mg/Kg		93	70 - 130	3	35		
o-Xylene	0.100	0.09698		mg/Kg		97	70 - 130	3	35		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-18783-26 MS

Matrix: Solid

Analysis Batch: 33694

Client Sample ID: T-6 (1')

Prep Type: Total/NA

Prep Batch: 33659

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.0998	0.09691		mg/Kg		97	70 - 130		
Toluene	<0.00199	U	0.0998	0.09733		mg/Kg		98	70 - 130		
Ethylbenzene	<0.00199	U	0.0998	0.09443		mg/Kg		95	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1704		mg/Kg		85	70 - 130		
o-Xylene	<0.00199	U	0.0998	0.08983		mg/Kg		90	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-18783-26 MSD

Matrix: Solid

Analysis Batch: 33694

Client Sample ID: T-6 (1')

Prep Type: Total/NA

Prep Batch: 33659

	Sample	Sample	Spike	MSD	MSD				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.09560		mg/Kg		95	70 - 130	1	35
Toluene	<0.00199	U	0.101	0.09745		mg/Kg		97	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.101	0.09511		mg/Kg		94	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1709		mg/Kg		85	70 - 130	0	35
o-Xylene	<0.00199	U	0.101	0.08934		mg/Kg		89	70 - 130	1	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-33587/1-A

Matrix: Solid

Analysis Batch: 33678

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33587

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		09/02/22 07:54	09/03/22 10:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 10:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/22 07:54	09/03/22 10:54	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130				09/02/22 07:54	09/03/22 10:54	1
o-Terphenyl	135	S1+	70 - 130				09/02/22 07:54	09/03/22 10:54	1

Lab Sample ID: LCS 880-33587/2-A

Matrix: Solid

Analysis Batch: 33678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	858.5		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1004		mg/Kg		100	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	161	S1+	70 - 130				
o-Terphenyl	141	S1+	70 - 130				

Lab Sample ID: LCSD 880-33587/3-A

Matrix: Solid

Analysis Batch: 33678

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 33587

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	921.6		mg/Kg		92	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1192		mg/Kg		119	70 - 130	17	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	163	S1+	70 - 130						
o-Terphenyl	164	S1+	70 - 130						

Lab Sample ID: 880-18783-1 MS

Matrix: Solid

Analysis Batch: 33678

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

Prep Type: Total/NA

Prep Batch: 33587

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	828.0		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1024		mg/Kg		101	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18783-1 MS

Matrix: Solid

Analysis Batch: 33678

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

Prep Type: Total/NA

Prep Batch: 33587

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: 880-18783-1 MSD

Matrix: Solid

Analysis Batch: 33678

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

Prep Type: Total/NA

Prep Batch: 33587

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	998	857.1		mg/Kg		86	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1043		mg/Kg		103	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: MB 880-33588/1-A

Matrix: Solid

Analysis Batch: 33678

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33588

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		09/02/22 07:58	09/03/22 20:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/22 07:58	09/03/22 20:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/22 07:58	09/03/22 20:31	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	124		70 - 130	09/02/22 07:58	09/03/22 20:31	1			
o-Terphenyl	122		70 - 130	09/02/22 07:58	09/03/22 20:31	1			

Lab Sample ID: LCS 880-33588/2-A

Matrix: Solid

Analysis Batch: 33678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33588

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	866.6		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	969.2		mg/Kg		97	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	166	S1+	70 - 130
o-Terphenyl	137	S1+	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-33588/3-A

Matrix: Solid

Analysis Batch: 33678

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 33588

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1085	*1	mg/Kg		109	70 - 130	22	20
Diesel Range Organics (Over C10-C28)	1000	902.0		mg/Kg		90	70 - 130	7	20
		LCSD	LCSD						
		%Recovery	Qualifier	Limits					
Surrogate									
1-Chlorooctane		142	S1+	70 - 130					
o-Terphenyl		127		70 - 130					

Lab Sample ID: 880-18783-21 MS

Matrix: Solid

Analysis Batch: 33678

Client Sample ID: T-5 (1')

Prep Type: Total/NA

Prep Batch: 33588

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	842.6		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1014		mg/Kg		102	70 - 130		
		MS	MS								
		%Recovery	Qualifier	Limits							
Surrogate											
1-Chlorooctane		100		70 - 130							
o-Terphenyl		89		70 - 130							

Lab Sample ID: 880-18783-21 MSD

Matrix: Solid

Analysis Batch: 33678

Client Sample ID: T-5 (1')

Prep Type: Total/NA

Prep Batch: 33588

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 *1	998	812.4		mg/Kg		81	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1029		mg/Kg		103	70 - 130	1	20
		MSD	MSD								
		%Recovery	Qualifier	Limits							
Surrogate											
1-Chlorooctane		118		70 - 130							
o-Terphenyl		90		70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-33589/1-A

Matrix: Solid

Analysis Batch: 33650

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			09/03/22 11:31	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-33589/2-A

Matrix: Solid

Analysis Batch: 33650

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.8		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-33589/3-A

Matrix: Solid

Analysis Batch: 33650

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	251.7		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-18783-1 MS

Matrix: Solid

Analysis Batch: 33650

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	199		250	455.2		mg/Kg		103	90 - 110

Lab Sample ID: 880-18783-1 MSD

Matrix: Solid

Analysis Batch: 33650

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	199		250	455.5		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-18783-11 MS

Matrix: Solid

Analysis Batch: 33650

Client Sample ID: T-2 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3900		1250	5251		mg/Kg		108	90 - 110

Lab Sample ID: 880-18783-11 MSD

Matrix: Solid

Analysis Batch: 33650

Client Sample ID: T-2 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3900		1250	5250		mg/Kg		108	90 - 110	0	20

Lab Sample ID: MB 880-33590/1-A

Matrix: Solid

Analysis Batch: 33651

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			09/03/22 15:41	1

Lab Sample ID: LCS 880-33590/2-A

Matrix: Solid

Analysis Batch: 33651

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.7		mg/Kg		100	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-33590/3-A

Matrix: Solid

Analysis Batch: 33651

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	250.8		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-18783-21 MS

Matrix: Solid

Analysis Batch: 33651

Client Sample ID: T-5 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	283		249	527.9		mg/Kg		98	90 - 110		

Lab Sample ID: 880-18783-21 MSD

Matrix: Solid

Analysis Batch: 33651

Client Sample ID: T-5 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	283		249	527.3		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 33384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-33384/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 33569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-21	T-5 (1')	Total/NA	Solid	5035	
880-18783-22	T-5 (2')	Total/NA	Solid	5035	
880-18783-23	T-5 (3')	Total/NA	Solid	5035	
880-18783-24	T-5 (4')	Total/NA	Solid	5035	
880-18783-25	T-6 (0-1')	Total/NA	Solid	5035	
MB 880-33569/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33569/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33569/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18778-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-18778-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 33570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-1	H-1 (0-1')	Total/NA	Solid	5035	
880-18783-2	H- 2 (0-1')	Total/NA	Solid	5035	
880-18783-3	H-3 (0-1')	Total/NA	Solid	5035	
880-18783-4	H-4 (0-1')	Total/NA	Solid	5035	
880-18783-5	H-5 (0-1')	Total/NA	Solid	5035	
880-18783-6	H-6 (0-1')	Total/NA	Solid	5035	
880-18783-7	H-7 (0-1')	Total/NA	Solid	5035	
880-18783-8	T-1 (0-1')	Total/NA	Solid	5035	
880-18783-9	T-1 (1')	Total/NA	Solid	5035	
880-18783-10	T-1 (2')	Total/NA	Solid	5035	
880-18783-11	T-2 (0-1')	Total/NA	Solid	5035	
880-18783-12	T-2 (1')	Total/NA	Solid	5035	
880-18783-13	T-2 (2')	Total/NA	Solid	5035	
880-18783-14	T-3 (0-1')	Total/NA	Solid	5035	
880-18783-15	T-3 (1')	Total/NA	Solid	5035	
880-18783-16	T-3 (2')	Total/NA	Solid	5035	
880-18783-17	T-4 (0-1')	Total/NA	Solid	5035	
880-18783-18	T-4 (1')	Total/NA	Solid	5035	
880-18783-19	T-4 (2')	Total/NA	Solid	5035	
880-18783-20	T-5 (0-1')	Total/NA	Solid	5035	
MB 880-33570/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33570/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33570/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18783-1 MS	H-1 (0-1')	Total/NA	Solid	5035	
880-18783-1 MSD	H-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 33649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-21	T-5 (1')	Total/NA	Solid	8021B	33569
880-18783-22	T-5 (2')	Total/NA	Solid	8021B	33569
880-18783-23	T-5 (3')	Total/NA	Solid	8021B	33569
880-18783-24	T-5 (4')	Total/NA	Solid	8021B	33569
880-18783-25	T-6 (0-1')	Total/NA	Solid	8021B	33569
MB 880-33569/5-A	Method Blank	Total/NA	Solid	8021B	33569

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QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 33649 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-33569/1-A	Lab Control Sample	Total/NA	Solid	8021B	33569
LCSD 880-33569/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33569
880-18778-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	33569
880-18778-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	33569

Prep Batch: 33659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-26	T-6 (1')	Total/NA	Solid	5035	
880-18783-27	T-6 (2')	Total/NA	Solid	5035	
880-18783-28	T-7 (0-1')	Total/NA	Solid	5035	
880-18783-29	T-7 (1')	Total/NA	Solid	5035	
880-18783-30	T-7 (2')	Total/NA	Solid	5035	
MB 880-33659/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33659/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33659/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18783-26 MS	T-6 (1')	Total/NA	Solid	5035	
880-18783-26 MSD	T-6 (1')	Total/NA	Solid	5035	

Analysis Batch: 33694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-26	T-6 (1')	Total/NA	Solid	8021B	33659
880-18783-27	T-6 (2')	Total/NA	Solid	8021B	33659
880-18783-28	T-7 (0-1')	Total/NA	Solid	8021B	33659
880-18783-29	T-7 (1')	Total/NA	Solid	8021B	33659
880-18783-30	T-7 (2')	Total/NA	Solid	8021B	33659
MB 880-33384/5-A	Method Blank	Total/NA	Solid	8021B	33384
MB 880-33659/5-A	Method Blank	Total/NA	Solid	8021B	33659
LCS 880-33659/1-A	Lab Control Sample	Total/NA	Solid	8021B	33659
LCSD 880-33659/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33659
880-18783-26 MS	T-6 (1')	Total/NA	Solid	8021B	33659
880-18783-26 MSD	T-6 (1')	Total/NA	Solid	8021B	33659

Analysis Batch: 33701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-1	H-1 (0-1')	Total/NA	Solid	Total BTEX	
880-18783-2	H- 2 (0-1')	Total/NA	Solid	Total BTEX	
880-18783-3	H-3 (0-1')	Total/NA	Solid	Total BTEX	
880-18783-4	H-4 (0-1')	Total/NA	Solid	Total BTEX	
880-18783-5	H-5 (0-1')	Total/NA	Solid	Total BTEX	
880-18783-6	H-6 (0-1')	Total/NA	Solid	Total BTEX	
880-18783-7	H-7 (0-1')	Total/NA	Solid	Total BTEX	
880-18783-8	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-18783-9	T-1 (1')	Total/NA	Solid	Total BTEX	
880-18783-10	T-1 (2')	Total/NA	Solid	Total BTEX	
880-18783-11	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-18783-12	T-2 (1')	Total/NA	Solid	Total BTEX	
880-18783-13	T-2 (2')	Total/NA	Solid	Total BTEX	
880-18783-14	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-18783-15	T-3 (1')	Total/NA	Solid	Total BTEX	
880-18783-16	T-3 (2')	Total/NA	Solid	Total BTEX	
880-18783-17	T-4 (0-1')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 33701 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-18	T-4 (1')	Total/NA	Solid	Total BTEX	
880-18783-19	T-4 (2')	Total/NA	Solid	Total BTEX	
880-18783-20	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-18783-21	T-5 (1')	Total/NA	Solid	Total BTEX	
880-18783-22	T-5 (2')	Total/NA	Solid	Total BTEX	
880-18783-23	T-5 (3')	Total/NA	Solid	Total BTEX	
880-18783-24	T-5 (4')	Total/NA	Solid	Total BTEX	
880-18783-25	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-18783-26	T-6 (1')	Total/NA	Solid	Total BTEX	
880-18783-27	T-6 (2')	Total/NA	Solid	Total BTEX	
880-18783-28	T-7 (0-1')	Total/NA	Solid	Total BTEX	
880-18783-29	T-7 (1')	Total/NA	Solid	Total BTEX	
880-18783-30	T-7 (2')	Total/NA	Solid	Total BTEX	

Analysis Batch: 33983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-1	H-1 (0-1')	Total/NA	Solid	8021B	33570
880-18783-2	H- 2 (0-1')	Total/NA	Solid	8021B	33570
880-18783-3	H-3 (0-1')	Total/NA	Solid	8021B	33570
880-18783-4	H-4 (0-1')	Total/NA	Solid	8021B	33570
880-18783-5	H-5 (0-1')	Total/NA	Solid	8021B	33570
880-18783-6	H-6 (0-1')	Total/NA	Solid	8021B	33570
880-18783-7	H-7 (0-1')	Total/NA	Solid	8021B	33570
880-18783-8	T-1 (0-1')	Total/NA	Solid	8021B	33570
880-18783-9	T-1 (1')	Total/NA	Solid	8021B	33570
880-18783-10	T-1 (2')	Total/NA	Solid	8021B	33570
880-18783-11	T-2 (0-1')	Total/NA	Solid	8021B	33570
880-18783-12	T-2 (1')	Total/NA	Solid	8021B	33570
880-18783-13	T-2 (2')	Total/NA	Solid	8021B	33570
880-18783-14	T-3 (0-1')	Total/NA	Solid	8021B	33570
880-18783-15	T-3 (1')	Total/NA	Solid	8021B	33570
880-18783-16	T-3 (2')	Total/NA	Solid	8021B	33570
880-18783-17	T-4 (0-1')	Total/NA	Solid	8021B	33570
880-18783-18	T-4 (1')	Total/NA	Solid	8021B	33570
880-18783-19	T-4 (2')	Total/NA	Solid	8021B	33570
880-18783-20	T-5 (0-1')	Total/NA	Solid	8021B	33570
MB 880-33570/5-A	Method Blank	Total/NA	Solid	8021B	33570
LCS 880-33570/1-A	Lab Control Sample	Total/NA	Solid	8021B	33570
LCSD 880-33570/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33570
880-18783-1 MS	H-1 (0-1')	Total/NA	Solid	8021B	33570
880-18783-1 MSD	H-1 (0-1')	Total/NA	Solid	8021B	33570

GC Semi VOA

Prep Batch: 33587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-1	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-18783-2	H- 2 (0-1')	Total/NA	Solid	8015NM Prep	
880-18783-3	H-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-18783-4	H-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-18783-5	H-5 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 33587 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-6	H-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-18783-7	H-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-18783-8	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-18783-9	T-1 (1')	Total/NA	Solid	8015NM Prep	
880-18783-10	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-18783-11	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-18783-12	T-2 (1')	Total/NA	Solid	8015NM Prep	
880-18783-13	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-18783-14	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-18783-15	T-3 (1')	Total/NA	Solid	8015NM Prep	
880-18783-16	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-18783-17	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-18783-18	T-4 (1')	Total/NA	Solid	8015NM Prep	
880-18783-19	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-18783-20	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-33587/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-33587/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-33587/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18783-1 MS	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-18783-1 MSD	H-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 33588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-21	T-5 (1')	Total/NA	Solid	8015NM Prep	
880-18783-22	T-5 (2')	Total/NA	Solid	8015NM Prep	
880-18783-23	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-18783-24	T-5 (4')	Total/NA	Solid	8015NM Prep	
880-18783-25	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-18783-26	T-6 (1')	Total/NA	Solid	8015NM Prep	
880-18783-27	T-6 (2')	Total/NA	Solid	8015NM Prep	
880-18783-28	T-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-18783-29	T-7 (1')	Total/NA	Solid	8015NM Prep	
880-18783-30	T-7 (2')	Total/NA	Solid	8015NM Prep	
MB 880-33588/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-33588/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-33588/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18783-21 MS	T-5 (1')	Total/NA	Solid	8015NM Prep	
880-18783-21 MSD	T-5 (1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 33678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-1	H-1 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-2	H- 2 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-3	H-3 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-4	H-4 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-5	H-5 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-6	H-6 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-7	H-7 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-8	T-1 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-9	T-1 (1')	Total/NA	Solid	8015B NM	33587
880-18783-10	T-1 (2')	Total/NA	Solid	8015B NM	33587

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 33678 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-11	T-2 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-12	T-2 (1')	Total/NA	Solid	8015B NM	33587
880-18783-13	T-2 (2')	Total/NA	Solid	8015B NM	33587
880-18783-14	T-3 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-15	T-3 (1')	Total/NA	Solid	8015B NM	33587
880-18783-16	T-3 (2')	Total/NA	Solid	8015B NM	33587
880-18783-17	T-4 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-18	T-4 (1')	Total/NA	Solid	8015B NM	33587
880-18783-19	T-4 (2')	Total/NA	Solid	8015B NM	33587
880-18783-20	T-5 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-21	T-5 (1')	Total/NA	Solid	8015B NM	33588
880-18783-22	T-5 (2')	Total/NA	Solid	8015B NM	33588
880-18783-23	T-5 (3')	Total/NA	Solid	8015B NM	33588
880-18783-24	T-5 (4')	Total/NA	Solid	8015B NM	33588
880-18783-25	T-6 (0-1')	Total/NA	Solid	8015B NM	33588
880-18783-26	T-6 (1')	Total/NA	Solid	8015B NM	33588
880-18783-27	T-6 (2')	Total/NA	Solid	8015B NM	33588
880-18783-28	T-7 (0-1')	Total/NA	Solid	8015B NM	33588
880-18783-29	T-7 (1')	Total/NA	Solid	8015B NM	33588
880-18783-30	T-7 (2')	Total/NA	Solid	8015B NM	33588
MB 880-33587/1-A	Method Blank	Total/NA	Solid	8015B NM	33587
MB 880-33588/1-A	Method Blank	Total/NA	Solid	8015B NM	33588
LCS 880-33587/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	33587
LCS 880-33588/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	33588
LCSD 880-33587/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	33587
LCSD 880-33588/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	33588
880-18783-1 MS	H-1 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-1 MSD	H-1 (0-1')	Total/NA	Solid	8015B NM	33587
880-18783-21 MS	T-5 (1')	Total/NA	Solid	8015B NM	33588
880-18783-21 MSD	T-5 (1')	Total/NA	Solid	8015B NM	33588

Analysis Batch: 33837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-1	H-1 (0-1')	Total/NA	Solid	8015 NM	
880-18783-2	H- 2 (0-1')	Total/NA	Solid	8015 NM	
880-18783-3	H-3 (0-1')	Total/NA	Solid	8015 NM	
880-18783-4	H-4 (0-1')	Total/NA	Solid	8015 NM	
880-18783-5	H-5 (0-1')	Total/NA	Solid	8015 NM	
880-18783-6	H-6 (0-1')	Total/NA	Solid	8015 NM	
880-18783-7	H-7 (0-1')	Total/NA	Solid	8015 NM	
880-18783-8	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-18783-9	T-1 (1')	Total/NA	Solid	8015 NM	
880-18783-10	T-1 (2')	Total/NA	Solid	8015 NM	
880-18783-11	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-18783-12	T-2 (1')	Total/NA	Solid	8015 NM	
880-18783-13	T-2 (2')	Total/NA	Solid	8015 NM	
880-18783-14	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-18783-15	T-3 (1')	Total/NA	Solid	8015 NM	
880-18783-16	T-3 (2')	Total/NA	Solid	8015 NM	
880-18783-17	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-18783-18	T-4 (1')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 33837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-19	T-4 (2')	Total/NA	Solid	8015 NM	
880-18783-20	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-18783-21	T-5 (1')	Total/NA	Solid	8015 NM	
880-18783-22	T-5 (2')	Total/NA	Solid	8015 NM	
880-18783-23	T-5 (3')	Total/NA	Solid	8015 NM	
880-18783-24	T-5 (4')	Total/NA	Solid	8015 NM	
880-18783-25	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-18783-26	T-6 (1')	Total/NA	Solid	8015 NM	
880-18783-27	T-6 (2')	Total/NA	Solid	8015 NM	
880-18783-28	T-7 (0-1')	Total/NA	Solid	8015 NM	
880-18783-29	T-7 (1')	Total/NA	Solid	8015 NM	
880-18783-30	T-7 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 33589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-1	H-1 (0-1')	Soluble	Solid	DI Leach	
880-18783-2	H- 2 (0-1')	Soluble	Solid	DI Leach	
880-18783-3	H-3 (0-1')	Soluble	Solid	DI Leach	
880-18783-4	H-4 (0-1')	Soluble	Solid	DI Leach	
880-18783-5	H-5 (0-1')	Soluble	Solid	DI Leach	
880-18783-6	H-6 (0-1')	Soluble	Solid	DI Leach	
880-18783-7	H-7 (0-1')	Soluble	Solid	DI Leach	
880-18783-8	T-1 (0-1')	Soluble	Solid	DI Leach	
880-18783-9	T-1 (1')	Soluble	Solid	DI Leach	
880-18783-10	T-1 (2')	Soluble	Solid	DI Leach	
880-18783-11	T-2 (0-1')	Soluble	Solid	DI Leach	
880-18783-12	T-2 (1')	Soluble	Solid	DI Leach	
880-18783-13	T-2 (2')	Soluble	Solid	DI Leach	
880-18783-14	T-3 (0-1')	Soluble	Solid	DI Leach	
880-18783-15	T-3 (1')	Soluble	Solid	DI Leach	
880-18783-16	T-3 (2')	Soluble	Solid	DI Leach	
880-18783-17	T-4 (0-1')	Soluble	Solid	DI Leach	
880-18783-18	T-4 (1')	Soluble	Solid	DI Leach	
880-18783-19	T-4 (2')	Soluble	Solid	DI Leach	
880-18783-20	T-5 (0-1')	Soluble	Solid	DI Leach	
MB 880-33589/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-33589/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-33589/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18783-1 MS	H-1 (0-1')	Soluble	Solid	DI Leach	
880-18783-1 MSD	H-1 (0-1')	Soluble	Solid	DI Leach	
880-18783-11 MS	T-2 (0-1')	Soluble	Solid	DI Leach	
880-18783-11 MSD	T-2 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 33590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-21	T-5 (1')	Soluble	Solid	DI Leach	
880-18783-22	T-5 (2')	Soluble	Solid	DI Leach	
880-18783-23	T-5 (3')	Soluble	Solid	DI Leach	
880-18783-24	T-5 (4')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 33590 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-25	T-6 (0-1')	Soluble	Solid	DI Leach	
880-18783-26	T-6 (1')	Soluble	Solid	DI Leach	
880-18783-27	T-6 (2')	Soluble	Solid	DI Leach	
880-18783-28	T-7 (0-1')	Soluble	Solid	DI Leach	
880-18783-29	T-7 (1')	Soluble	Solid	DI Leach	
880-18783-30	T-7 (2')	Soluble	Solid	DI Leach	
MB 880-33590/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-33590/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-33590/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18783-21 MS	T-5 (1')	Soluble	Solid	DI Leach	
880-18783-21 MSD	T-5 (1')	Soluble	Solid	DI Leach	

Analysis Batch: 33650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-1	H-1 (0-1')	Soluble	Solid	300.0	33589
880-18783-2	H- 2 (0-1')	Soluble	Solid	300.0	33589
880-18783-3	H-3 (0-1')	Soluble	Solid	300.0	33589
880-18783-4	H-4 (0-1')	Soluble	Solid	300.0	33589
880-18783-5	H-5 (0-1')	Soluble	Solid	300.0	33589
880-18783-6	H-6 (0-1')	Soluble	Solid	300.0	33589
880-18783-7	H-7 (0-1')	Soluble	Solid	300.0	33589
880-18783-8	T-1 (0-1')	Soluble	Solid	300.0	33589
880-18783-9	T-1 (1')	Soluble	Solid	300.0	33589
880-18783-10	T-1 (2')	Soluble	Solid	300.0	33589
880-18783-11	T-2 (0-1')	Soluble	Solid	300.0	33589
880-18783-12	T-2 (1')	Soluble	Solid	300.0	33589
880-18783-13	T-2 (2')	Soluble	Solid	300.0	33589
880-18783-14	T-3 (0-1')	Soluble	Solid	300.0	33589
880-18783-15	T-3 (1')	Soluble	Solid	300.0	33589
880-18783-16	T-3 (2')	Soluble	Solid	300.0	33589
880-18783-17	T-4 (0-1')	Soluble	Solid	300.0	33589
880-18783-18	T-4 (1')	Soluble	Solid	300.0	33589
880-18783-19	T-4 (2')	Soluble	Solid	300.0	33589
880-18783-20	T-5 (0-1')	Soluble	Solid	300.0	33589
MB 880-33589/1-A	Method Blank	Soluble	Solid	300.0	33589
LCS 880-33589/2-A	Lab Control Sample	Soluble	Solid	300.0	33589
LCSD 880-33589/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	33589
880-18783-1 MS	H-1 (0-1')	Soluble	Solid	300.0	33589
880-18783-1 MSD	H-1 (0-1')	Soluble	Solid	300.0	33589
880-18783-11 MS	T-2 (0-1')	Soluble	Solid	300.0	33589
880-18783-11 MSD	T-2 (0-1')	Soluble	Solid	300.0	33589

Analysis Batch: 33651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-21	T-5 (1')	Soluble	Solid	300.0	33590
880-18783-22	T-5 (2')	Soluble	Solid	300.0	33590
880-18783-23	T-5 (3')	Soluble	Solid	300.0	33590
880-18783-24	T-5 (4')	Soluble	Solid	300.0	33590
880-18783-25	T-6 (0-1')	Soluble	Solid	300.0	33590
880-18783-26	T-6 (1')	Soluble	Solid	300.0	33590
880-18783-27	T-6 (2')	Soluble	Solid	300.0	33590

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 33651 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18783-28	T-7 (0-1')	Soluble	Solid	300.0	33590
880-18783-29	T-7 (1')	Soluble	Solid	300.0	33590
880-18783-30	T-7 (2')	Soluble	Solid	300.0	33590
MB 880-33590/1-A	Method Blank	Soluble	Solid	300.0	33590
LCS 880-33590/2-A	Lab Control Sample	Soluble	Solid	300.0	33590
LCSD 880-33590/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	33590
880-18783-21 MS	T-5 (1')	Soluble	Solid	300.0	33590
880-18783-21 MSD	T-5 (1')	Soluble	Solid	300.0	33590

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18783-1

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 12:11	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 12:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 11:52	SMC	EET MID

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

Lab Sample ID: 880-18783-2

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 12:32	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 13:05	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 12:14	SMC	EET MID

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

Lab Sample ID: 880-18783-3

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 12:52	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 13:26	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 12:21	SMC	EET MID

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

Lab Sample ID: 880-18783-4

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 13:13	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18783-4

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 13:48	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 12:28	SMC	EET MID

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

Lab Sample ID: 880-18783-5

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 13:33	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 14:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 12:35	SMC	EET MID

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

Lab Sample ID: 880-18783-6

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 13:53	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 14:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 12:57	SMC	EET MID

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

Lab Sample ID: 880-18783-7

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 14:14	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 14:52	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18783-7

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 13:04	SMC	EET MID

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-18783-8

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 14:34	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 15:13	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 13:11	SMC	EET MID

Client Sample ID: T-1 (1')

Lab Sample ID: 880-18783-9

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 14:55	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 15:34	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 13:18	SMC	EET MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-18783-10

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 15:15	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 15:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 13:25	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-18783-11

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 17:06	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 16:38	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	33650	09/03/22 13:32	SMC	EET MID

Client Sample ID: T-2 (1')

Lab Sample ID: 880-18783-12

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 17:26	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 17:00	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 13:54	SMC	EET MID

Client Sample ID: T-2 (2')

Lab Sample ID: 880-18783-13

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 17:46	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 17:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 14:01	SMC	EET MID

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-18783-14

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 18:07	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-18783-14

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 17:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	33650	09/03/22 14:23	SMC	EET MID

Client Sample ID: T-3 (1')

Lab Sample ID: 880-18783-15

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 18:27	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 18:03	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 14:30	SMC	EET MID

Client Sample ID: T-3 (2')

Lab Sample ID: 880-18783-16

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 18:48	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 18:24	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 14:37	SMC	EET MID

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-18783-17

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 19:08	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 18:45	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-4 (0-1')

Date Collected: 09/01/22 00:00

Date Received: 09/01/22 16:19

Lab Sample ID: 880-18783-17

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			4.95 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	33650	09/03/22 14:44	SMC	EET MID

Client Sample ID: T-4 (1')

Date Collected: 09/01/22 00:00

Date Received: 09/01/22 16:19

Lab Sample ID: 880-18783-18

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			4.96 g	5 mL	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 19:29	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 19:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 14:51	SMC	EET MID

Client Sample ID: T-4 (2')

Date Collected: 09/01/22 00:00

Date Received: 09/01/22 16:19

Lab Sample ID: 880-18783-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 19:49	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 19:27	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33650	09/03/22 14:58	SMC	EET MID

Client Sample ID: T-5 (0-1')

Date Collected: 09/01/22 00:00

Date Received: 09/01/22 16:19

Lab Sample ID: 880-18783-20

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			5.04 g	5 mL	33570	09/01/22 16:40	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33983	09/08/22 20:09	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33587	09/02/22 07:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 19:49	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33589	09/02/22 08:34	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	33650	09/03/22 15:06	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-5 (1')

Lab Sample ID: 880-18783-21

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33569	09/01/22 16:28	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/02/22 22:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33588	09/02/22 07:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 21:34	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33590	09/02/22 08:37	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33651	09/03/22 16:03	SMC	EET MID

Client Sample ID: T-5 (2')

Lab Sample ID: 880-18783-22

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33569	09/01/22 16:28	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/02/22 23:02	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33588	09/02/22 07:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 22:38	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	33590	09/02/22 08:37	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33651	09/03/22 16:24	SMC	EET MID

Client Sample ID: T-5 (3')

Lab Sample ID: 880-18783-23

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33569	09/01/22 16:28	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/02/22 23:23	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33588	09/02/22 07:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 22:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	33590	09/02/22 08:37	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33651	09/03/22 16:32	SMC	EET MID

Client Sample ID: T-5 (4')

Lab Sample ID: 880-18783-24

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33569	09/01/22 16:28	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/02/22 23:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-5 (4')

Lab Sample ID: 880-18783-24

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33588	09/02/22 07:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 23:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33590	09/02/22 08:37	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33651	09/05/22 14:11	SMC	EET MID

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-18783-25

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33569	09/01/22 16:28	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 00:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33588	09/02/22 07:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/03/22 23:41	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	33590	09/02/22 08:37	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33651	09/05/22 14:18	SMC	EET MID

Client Sample ID: T-6 (1')

Lab Sample ID: 880-18783-26

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33659	09/02/22 15:22	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/05/22 04:36	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33588	09/02/22 07:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/04/22 00:02	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	33590	09/02/22 08:37	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33651	09/05/22 14:39	SMC	EET MID

Client Sample ID: T-6 (2')

Lab Sample ID: 880-18783-27

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33659	09/02/22 15:22	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/05/22 04:57	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33588	09/02/22 07:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/04/22 00:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Client Sample ID: T-6 (2')

Lab Sample ID: 880-18783-27

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	33590	09/02/22 08:37	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33651	09/05/22 14:47	SMC	EET MID

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-18783-28

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33659	09/02/22 15:22	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/05/22 05:17	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33588	09/02/22 07:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/04/22 00:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33590	09/02/22 08:37	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33651	09/05/22 14:54	SMC	EET MID

Client Sample ID: T-7 (1')

Lab Sample ID: 880-18783-29

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33659	09/02/22 15:22	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/05/22 05:38	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33588	09/02/22 07:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/04/22 01:05	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	33590	09/02/22 08:37	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33651	09/05/22 15:01	SMC	EET MID

Client Sample ID: T-7 (2')

Lab Sample ID: 880-18783-30

Date Collected: 09/01/22 00:00

Matrix: Solid

Date Received: 09/01/22 16:19

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	33659	09/02/22 15:22	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/05/22 05:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33701	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33837	09/06/22 10:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33588	09/02/22 07:58	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33678	09/04/22 01:26	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	33590	09/02/22 08:37	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33651	09/05/22 15:08	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

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

Method Summary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

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	MCAWW	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

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Red Hills 36H-38H

Job ID: 880-18783-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-18783-1	H-1 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-2	H- 2 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-3	H-3 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-4	H-4 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-5	H-5 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-6	H-6 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-7	H-7 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-8	T-1 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-9	T-1 (1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-10	T-1 (2')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-11	T-2 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-12	T-2 (1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-13	T-2 (2')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-14	T-3 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-15	T-3 (1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-16	T-3 (2')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-17	T-4 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-18	T-4 (1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-19	T-4 (2')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-20	T-5 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-21	T-5 (1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-22	T-5 (2')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-23	T-5 (3')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-24	T-5 (4')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-25	T-6 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-26	T-6 (1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-27	T-6 (2')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-28	T-7 (0-1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-29	T-7 (1')	Solid	09/01/22 00:00	09/01/22 16:19
880-18783-30	T-7 (2')	Solid	09/01/22 00:00	09/01/22 16:19

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Chain of Custody

Work Order No: 18783

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Project Manager	Ashton Thielke	Bill to: (if different)	Laci Lung
Company Name	Carmona Resources	Company Name	Cimarex Energy
Address	310 West Wall Ste 415	Address	600 N Marnefield St Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-5347	Email	laci.lung@coferra.com

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

Project Name:	Red Hills 36H-38H	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number		☐ Routine	☒ Rush													None NO	DI Water- H ₂ O		
Project Location	Lea Co, NM	Due Date	48 Hours													Cool Cool	MeOH Me		
Sampler's Name:	AT	TAT starts the day received by the lab if received by 4:30pm														HCL HC	HNO ₃ HN		
PO #																H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT		Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐	Parameters										HOLD			
Received Intact	Yes ☒ No ☐	Thermometer ID	20			BTX 8021B												NaHSO ₄ NABIS	
Cooler Custody Seals	Yes ☒ No ☐	Correction Factor	2.0			TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes ☒ No ☐	Temperature Reading	9.0			Chloride 300 0												Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature																NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments
H-1 (0-1')	9/1/2022		X		Grab/	1	X	X	X								
H-2 (0-1')	9/1/2022		X		Grab/	1	X	X	X								
H-3 (0-1')	9/1/2022		X		Grab/	1	X	X	X								
H-4 (0-1')	9/1/2022		X		Grab/	1	X	X	X								
H-5 (0-1')	9/1/2022		X		Grab/	1	X	X	X								
H-5 (0-1')	9/1/2022		X		Grab/	1	X	X	X								
H-7 (0-1')	9/1/2022		X		Grab/	1	X	X	X								
T-1 (0-1')	9/1/2022		X		Grab/	1	X	X	X								
T-1 (1')	9/1/2022		X		Grab/	1	X	X	X								
T-1 (2')	9/1/2022		X		Grab/	1	X	X	X								

Please send results to cmohring@carmonarresources.com and mcarmona@carmonarresources.com



Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		9/1/22			
		10:19			

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Chain of Custody

Work Order No: 18183

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Project Manager	Ashton Thielke	Bill to (if different)	Laci Lung
Company Name	Carmona Resources	Company Name:	Cimarex Energy
Address	310 West Wall Ste 415	Address:	600 N Mainfield St, Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone:	432-813-5347	Email	laci.lung@coferra.com

Project Name:		Red Hills 36H-38H	
Project Number	☐ Routine ☒ Rush		
Project Location	Lea Co. NM	Due Date	48 Hours
Sampler's Name	AT	TAT starts the day received by the lab if received by 4:30pm	
PO #:			

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

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters									
T-2 (0-1')	9/1/2022		X		Grab/	1	BTX 8021B									
T-2 (1')	9/1/2022		X		Grab/	1	TPH 8015M (GRO + DRO + MRO)									
T-2 (2')	9/1/2022		X		Grab/	1	Chloride 300 0									
T-3 (0-1')	9/1/2022		X		Grab/	1										
T-3 (1')	9/1/2022		X		Grab/	1										
T-3 (2')	9/1/2022		X		Grab/	1										
T-4 (0-1')	9/1/2022		X		Grab/	1										
T-4 (1')	9/1/2022		X		Grab/	1										
T-4 (2')	9/1/2022		X		Grab/	1										
T-5 (0-1')	9/1/2022		X		Grab/	1										

ANALYSIS REQUEST										PRESERVATIVE CODES									
										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 ₄ NABIS									
										Na ₂ S ₂ O ₃ NaSO ₃									
										Zn Acetate+NaOH Zn									
										NaOH+Ascorbic Acid SAPC									

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

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		9/1/22	2		
3		10.19	4		
5			6		

Chair of Custody

Work Order No: 18783

Page _____ of _____

Project Manager	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name	Carmona Resources	Company Name:	Cimarax Energy
Address	310 West Wall Ste 415	Address:	600 N Marrenfield St. Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-5347	Email	laci.luig@coterra.com

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

Project Name:						Red Hills 36H-38H						Turn Around											
Project Number:												☐ Routine ☒ Rush											
Project Location						Lea Co., NM						Due Date 48 Hours											
Sampler's Name:						AT						TAT starts the day received by the lab if received by 4:30pm											
PO #:																							
SAMPLE RECEIPT						Temp Blank.						Yes No Wet Ice Yes No											
Received intact:						Yes No						Thermometer ID											
Cooler Custody Seals.						Yes No N/A						Correction Factor											
Sample Custody Seals						Yes No N/A						Temperature Reading											
Total Containers												Corrected Temperature.											
Parameters												Pres. Code											
BTEX 8021B																							
8015M (GRO + DRO + MRO)																							
Chloride 300 0																							
HOLD																							
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 ₄ NABIS																							
Na ₂ S ₂ O ₃ NaSO ₃																							
Zn Acetate+NaOH Zn																							
NaOH+Ascorbic Acid SAPC																							

[illegible]

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 		9/11/22	2		
3 		10.14	4		
5			6		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-18783-1

SDG Number: Lea Co, NM

Login Number: 18783

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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

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

CONDITIONS

Action 143123

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld Street Midland, TX 79701	OGRID: 162683
	Action Number: 143123
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	9/15/2022