

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Hoofprint Federal Com 001H (01.20.22)
Eddy County, New Mexico
Unit M Sec 12 T24S R31E
32.225274°, -103.738947°

Crude Oil Release
Point of Release: Valve Malfunction
Release Date: 01/20/2022
Volume Released: 1 barrel of Crude Oil
Volume Recovered: 0 barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
15 West London Road
Loving, New Mexico 88256

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

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



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March 1, 2022

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

**Re: Closure Report
Hoofprint Federal Com 1H (01.20.22)
Concho Operating, LLC
Incident ID NAPP2203434215
Site Location: Unit M, S12, T24S, R31E
(Lat 32.225274°, Long -103.738947°)
Eddy County, New Mexico**

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for Hoofprint Federal Com 1H (01.20.2022). The site is located at 32.225274°, -103.738647° within Unit M, S12, T24S, R31E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on January 20, 2022, due to a malfunctioning valve. It resulted in approximately one (1) barrel of crude oil. Zero (0) barrels were recovered. See figure 3. The initial C-141 form is attached in Appendix A.

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 closest well is located approximately 1.34 miles Southwest of the site in S23, T24S, R31E and was drilled in 2021. The well has a reported depth to groundwater of 120.86' feet below ground surface (ft bgs). A copy of the associated *USGS – National Water Information System* report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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



4.0 Site Assessment Activities

On January 7, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of ten (10) sample points were advanced to depths ranging from surface – 6” bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations.

For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015 modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix C. See Table 1 for the analytical results.

Refer to Table 1.

Trenches

On February 16, 2022, Carmona Resources personnel were on site to vertically define the release. A total of two (2) trenches (T-1 and T-2) were installed to total depths ranging from 12 inches to 18 inches below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix A.

The results of the sampling are summarized in Table 1. See Figure 3 for the sample locations.

5.0 Remediation Activities

Carmona Resources personnel were onsite from January 17, 2022, through January 22, 2022, to supervise the remediation activities and collect confirmation samples. The areas were excavated to 0.5’ to 1.5 bgs to remove all impacted soils.

A total of nine (9) confirmation samples were collected (CS-1 through CS-9), and ten (10) sidewall samples (SW-1 through SW-10) were collected every 200 square feet to ensure proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

The areas of confirmation samples (CS-4 and CS-9) sidewalls (SW-1, SW-3, SW-4, SW-6, and SW-8) showed high TPH concentrations. In addition, those areas were extended an additional 0.5 inches to ensure proper removal of contaminated soils.

All the final confirmation samples were below the 19.15.29.12 NMAC criteria. Refer to Table 2.



Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 45 cubic yards of material were excavated and transported offsite for proper disposal

6.0 Conclusions

Based on the assessment finding and the analytical results, no further actions are required at the site. The final C-141 is attached, and COG formally requests closure of the spill. If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

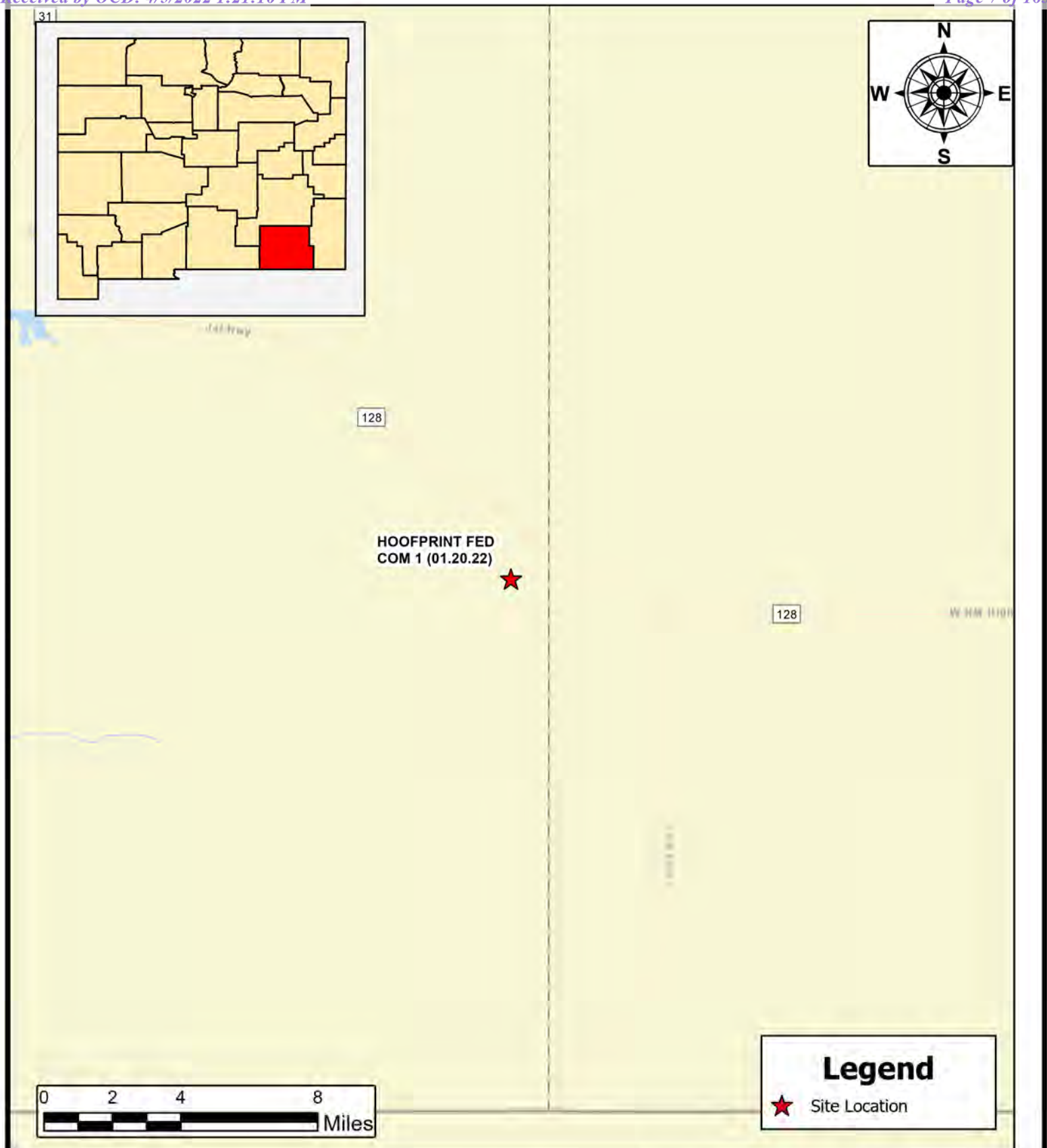
Mike Carmona
Environmental Manager

Conner Moehring
Environmental Manager

FIGURES

CARMONA RESOURCES





OVERVIEW MAP
COG OPERATING
 HOOFPRIINT FED COM 1 (01.20.22)
 EDDY COUNTY, NEW MEXICO
 32.225274, -103.738947

SCALE: As Shown

Date: 2/19/2022

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

NOTES:

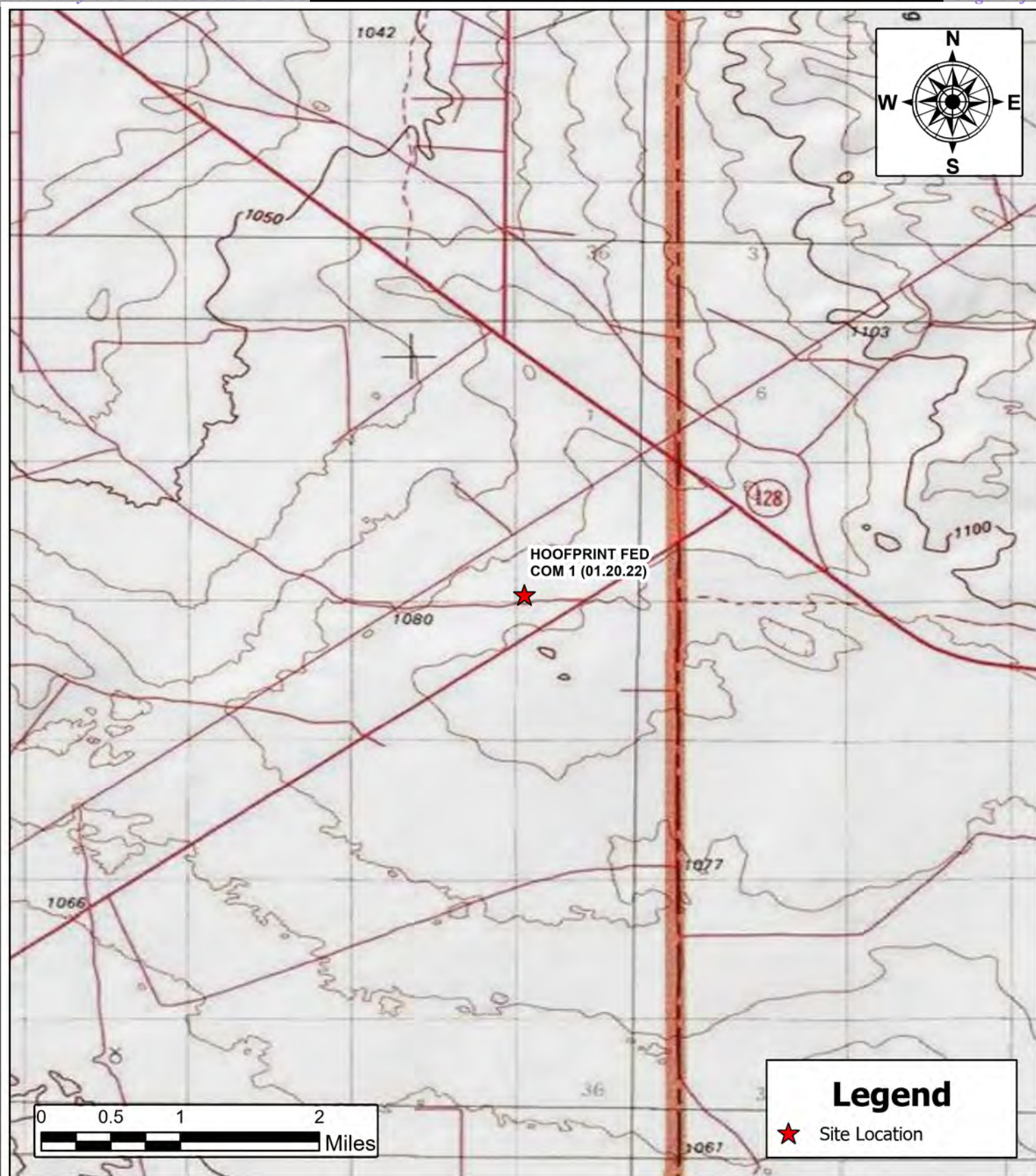
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1



TOPOGRAPHIC MAP
COG OPERATING
 HOOFPRIINT FED COM 1 (01.20.22)
 EDDY COUNTY, NEW MEXICO
 32.225274, -103.738947

SCALE: As Shown

Date: 2/19/2022



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

NOTES:

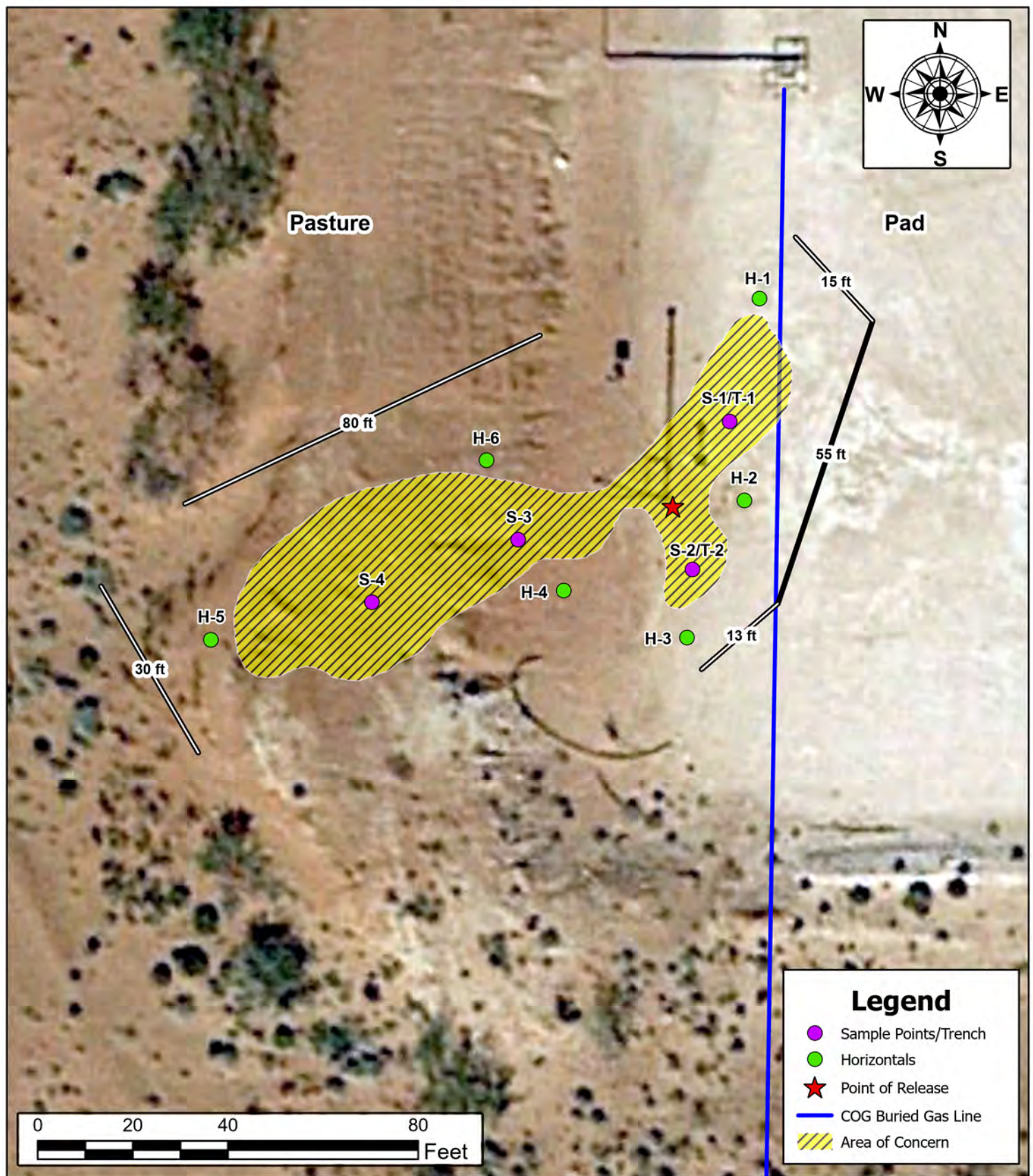
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1



SAMPLE LOCATION MAP
COG OPERATING
 HOOFPRIINT FED COM 1 (01.20.22)
 EDDY COUNTY, NEW MEXICO
 32.225274, -103.738947

SCALE: As Shown

Date: 2/23/2022



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

NOTES:

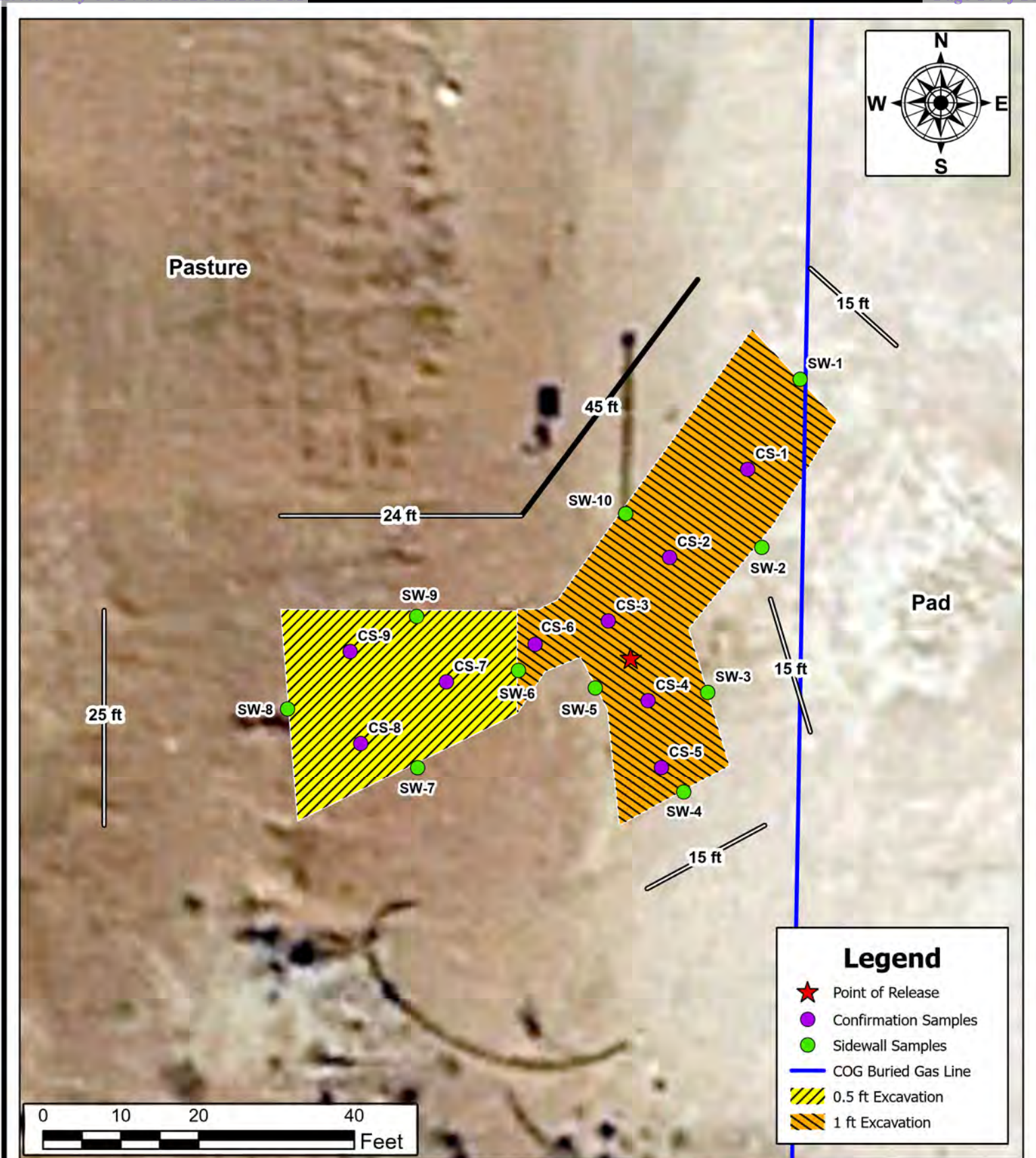
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1



EXCAVATION DEPTH MAP
COG OPERATING
 HOOFPRIINT FED COM 1 (01.20.22)
 EDDY COUNTY, NEW MEXICO
 32.225274, -103.738947

SCALE: As Shown

Date: 2/22/2022



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

NOTES:

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

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

APPENDIX A

CARMONA RESOURCES



Table 1
COG
Hoofprint Federal Com 1 (1.20.22)
Eddy County, New Mexico

Sample ID	Date	Depth (in)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	2/7/2022	0-3	<50.0	144	<50.0	144	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	986
	"	6	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	930
T-1	2/16/2022	12	<50.0	52.6	<50.0	52.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.4
	"	18	<50.0	82.8	<50.0	82.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.4
S-2	2/7/2022	0-3	<50.0	3,670	<50.0	3,670	<0.00200	0.00229	0.00292	0.00144	0.0196	68.9
	"	6	<50.0	106	<50.0	106	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	28.6
T-2	2/16/2022	12	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5.68
	"	18	<49.9	22.1	<49.9	22.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	13.8
S-3	2/7/2022	0-3	<49.9	1,420	<49.9	1,420	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.4
	"	6	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7.15
	"	12	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	13.6
S-4	2/7/2022	0-3	<50.0	69.7	<50.0	69.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
	"	6	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<5.04
	"	12	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<4.95
H-1	2/7/2022	0-6	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	50.4
H-2	2/7/2022	0-6	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.3
H-3	2/7/2022	0-6	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	6.69
H-4	2/7/2022	0-6	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	16.1
H-5	2/7/2022	0-6	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	12.6
H-6	2/7/2022	0-6	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	68.3
Regulatory Criteria^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

In-Inches

(S) Sample Point

(H) Horizontal

(T) Trench

 Removed

Table 2
COG
Hoofprint Federal Com 1 (1.20.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			GRO	DRO	MRO	Total							
CS-1	2/17/2022	1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98	
CS-2	2/17/2022	1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<5.00	
CS-3	2/17/2022	1	<49.9	58.7	<49.9	58.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	10.5	
CS-4	2/17/2022	1	<49.9	232	<49.9	232	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	10.9	
	2/22/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0	
CS-5	2/17/2022	1	<50.0	211	<50.0	211	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	13.9	
	2/22/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0	
CS-6	2/17/2022	1	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<5.00	
CS-7	2/17/2022	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99	
CS-8	2/17/2022	0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.04	
CS-9	2/17/2022	0.5	<50.0	112	<50.0	112	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	16.5	
	2/22/2022	1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0	
SW-1	2/17/2022	-	<50.0	167	<50.0	167	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.7	
	2/22/2022	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0	
SW-2	2/17/2022	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.95	
SW-3	2/17/2022	-	<50.0	165	<50.0	165	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	11.6	
	2/22/2022	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0	
SW-4	2/17/2022	-	<50.0	131	<50.0	131	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	25.3	
	2/22/2022	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0	
SW-5	2/17/2022	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14.5	
SW-6	2/17/2022	-	<49.9	192	<49.9	192	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	19.5	
	2/22/2022	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0	
SW-7	2/17/2022	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	8.18	
SW-8	2/17/2022	-	<49.9	173	<49.9	173	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.2	
	2/22/2022	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0	
SW-9	2/17/2022	-	<50.0	55.6	<50.0	55.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	15.2	
SW-10	2/17/2022	-	<50.0	54.1	<50.0	54.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	9.95	
Regulatory Criteria ^A							100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

(SW) Sidewall

 Removed

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Hoofprint Federal Com 1H
(01.20.22)

County: Eddy County, New Mexico

Description:
View Northeast of Spill



Photograph No. 2

Facility: Hoofprint Federal Com 1H
(01.20.22)

County: Eddy County, New Mexico

Description:
View North of release



Photograph No. 3

Facility: Hoofprint Federal Com 1H
(01.20.22)

County: Eddy County, New Mexico

Description:
View West of overspray area



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Hoofprint Federal Com 1H
(01.20.22)

County: Eddy County, New Mexico

Description:
View Northeast of excavation



Photograph No. 2

Facility: Hoofprint Federal Com 1H
(01.20.22)

County: Eddy County, New Mexico

Description:
View Northeast of Overspray area scraped



APPENDIX C

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

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

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

L48 Spill Volume Estimate Form									
Facility Name & Number: Hoofprint									
Asset Area: DBWN									
Release Discovery Date & Time: 8.12.21									
Release Type: Oil									
Provide any known details about the event: Flare Fire									
Spill Calculation - Subsurface Spill - Rectangle									
Was the release on pad or off-pad?				See reference table below					
Has it rained at least a half inch in the last 24 hours?				See reference table below					
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	50.0	8.0	0.25	10.53%	1.483	0.156			
Rectangle B					0.000	0.000			
Rectangle C					0.000	0.000			
Rectangle D					0.000	0.000			
Rectangle E					0.000	0.000			
Rectangle F					0.000	0.000			
Rectangle G					0.000	0.000			
Rectangle H					0.000	0.000			
Rectangle I					0.000	0.000			
Rectangle J					0.000	0.000			
Total Volume Release:						0.156			

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jaques Morris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Jaqueline Nobui Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Jennifer Nobui Date: _____

Printed Name: _____ Title: _____

COG Hoofprint Fed Com (01.20.22) 48 Hour Sampling Notification



Mike Carmona <Mcarmona@carmonaresources.com>

2/15/2022 12:54 PM

To: OCD.Enviro@state.nm.us Cc: Harris, Jacqui; Conner Moehring

Good Afternoon,

On behalf of COG, Carmona Resources will be collecting confirmation samples at the below-referenced site for the at-risk remediation on 02/17/2022 at noon Mountain Time. Please let me know if you have any questions.

COG Hoofprint Fed Com 1 (01.20.22)

Sec 12 T24S R31E Unit M

32.225620°, -103.728272°

Eddy County, New Mexico

Mike J. Carmona

310 West Wall Street, Suite 415

Midland TX, 79701

M: 432-813-1992

Mcarmona@carmonaresources.com

CARMONA RESOURCES



APPENDIX D

CARMONA RESOURCES



Nearest water well

Hoofprint Fed Com 1 (01.20.22)

Legend

- 0.50 Mile Radius
- 1.34 Miles
- 1.55 Miles
- NMSEO Water Well
- Hoofprint Fed Com 1 (01.20.22)



Hoofprint Fed Com 1 (01.20.22)

850' - Drilled 2021

868' - Drilled 2020

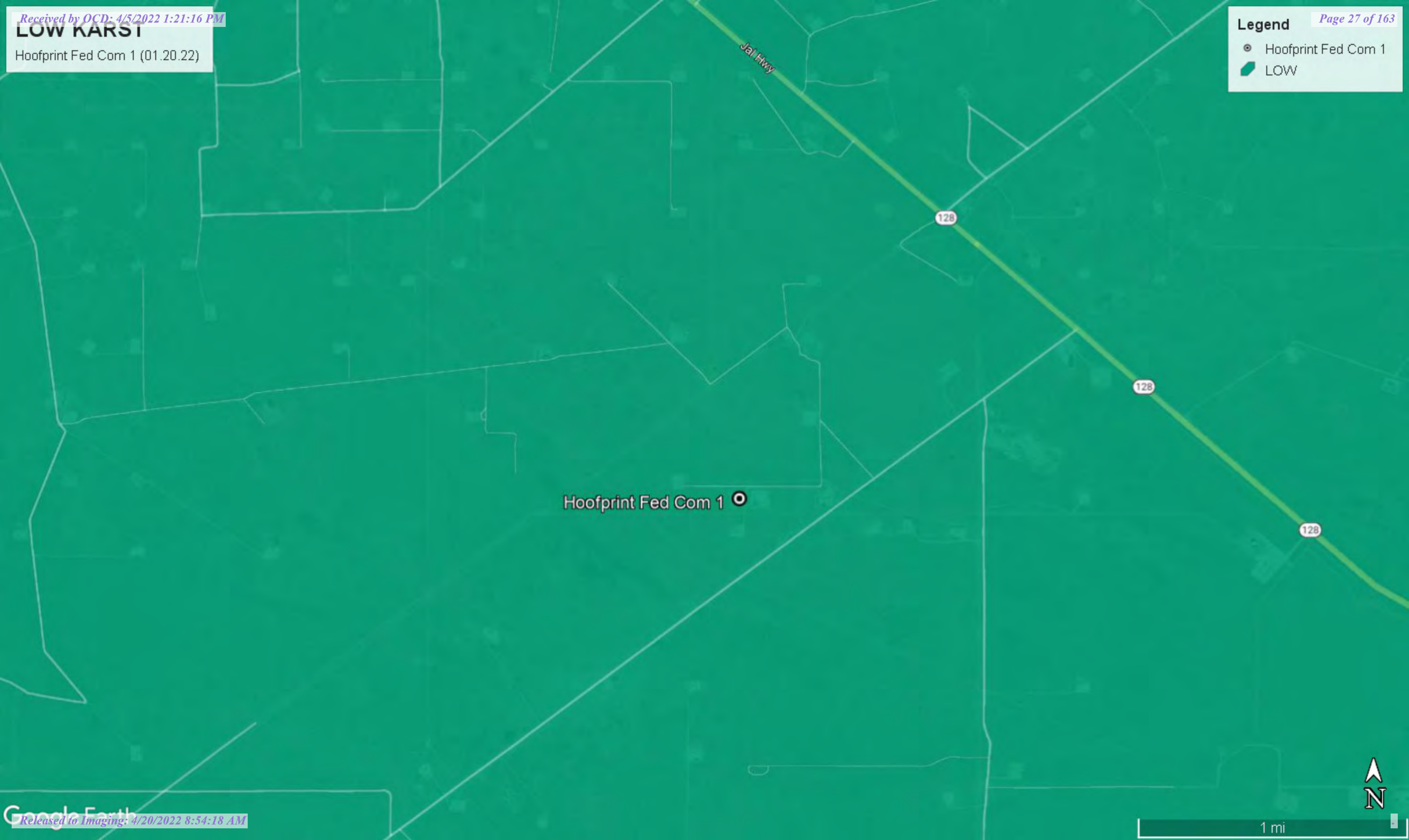


LOW KARST

Hoofprint Fed Com 1 (01.20.22)

Legend

- Hoofprint Fed Com 1
- LOW





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02405	CUB	ED		4	1	02	24S	31E		617690	3568631*	275	160	115
C 02440	C	ED		2	3	10	24S	31E		616103	3566599*	350		
C 02460	C	ED		3	02		24S	31E		617496	3568022*	320		
C 02460 POD2	C	ED		3	02		24S	31E		617496	3568022*	320		
C 02464	C	ED		2	3	1	02	24S	31E	617645	3568581	320	205	115
C 02661	CUB	ED		3	3	1	04	24S	31E	613969	3568485*	708		
C 02783	CUB	ED		3	3	1	04	24S	31E	613911	3568461	708		
C 02783 POD2	CUB	ED		3	3	1	04	24S	31E	613911	3568461	672		
C 02784	C	ED		4	2	4	04	24S	31E	613911	3568461	584		
C 02785	CUB	ED		3	3	1	04	24S	31E	613969	3568485*	692		
C 04388 POD1	C	ED		3	2	1	23	24S	31E	617546	3564006	910	868	42
C 04499 POD1	CUB	ED		3	4	2	20	24S	31E	613719	3563732	111		
C 04508 POD1	CUB	ED		4	4	3	15	24S	31E	616298	3564493	110		
C 04576 POD1	CUB	ED		1	2	1	23	24S	31E	617700	3564324	910	850	60

Average Depth to Water: **520 feet**

Minimum Depth: **160 feet**

Maximum Depth: **868 feet**

Record Count: 14

PLSS Search:

Township: 24S

Range: 31E

*UTM location was derived from PLSS - see Help

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

2/4/22 3:27 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Released to Imaging: 4/20/2022 8:54:18 AM



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04576 POD1	1	2	1	23	24S	31E	617700	3564324 
Driller License: 1058		Driller Company: KEY'S DRILLING & PUMP SERVICE							
Driller Name: GARY KEY									
Drill Start Date: 10/21/2021		Drill Finish Date: 01/19/2022				Plug Date:			
Log File Date: 01/20/2022		PCW Rev Date:				Source: Artesian			
Pump Type:		Pipe Discharge Size:				Estimated Yield: 35 GPM			
Casing Size:		Depth Well: 910 feet				Depth Water: 850 feet			
Water Bearing Stratifications:		Top	Bottom	Description					
		850	875	Sandstone/Gravel/Conglomerate					
		885	905	Limestone/Dolomite/Chalk					
Casing Perforations:		Top	Bottom						
		794	910						

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

1/31/22 7:42 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

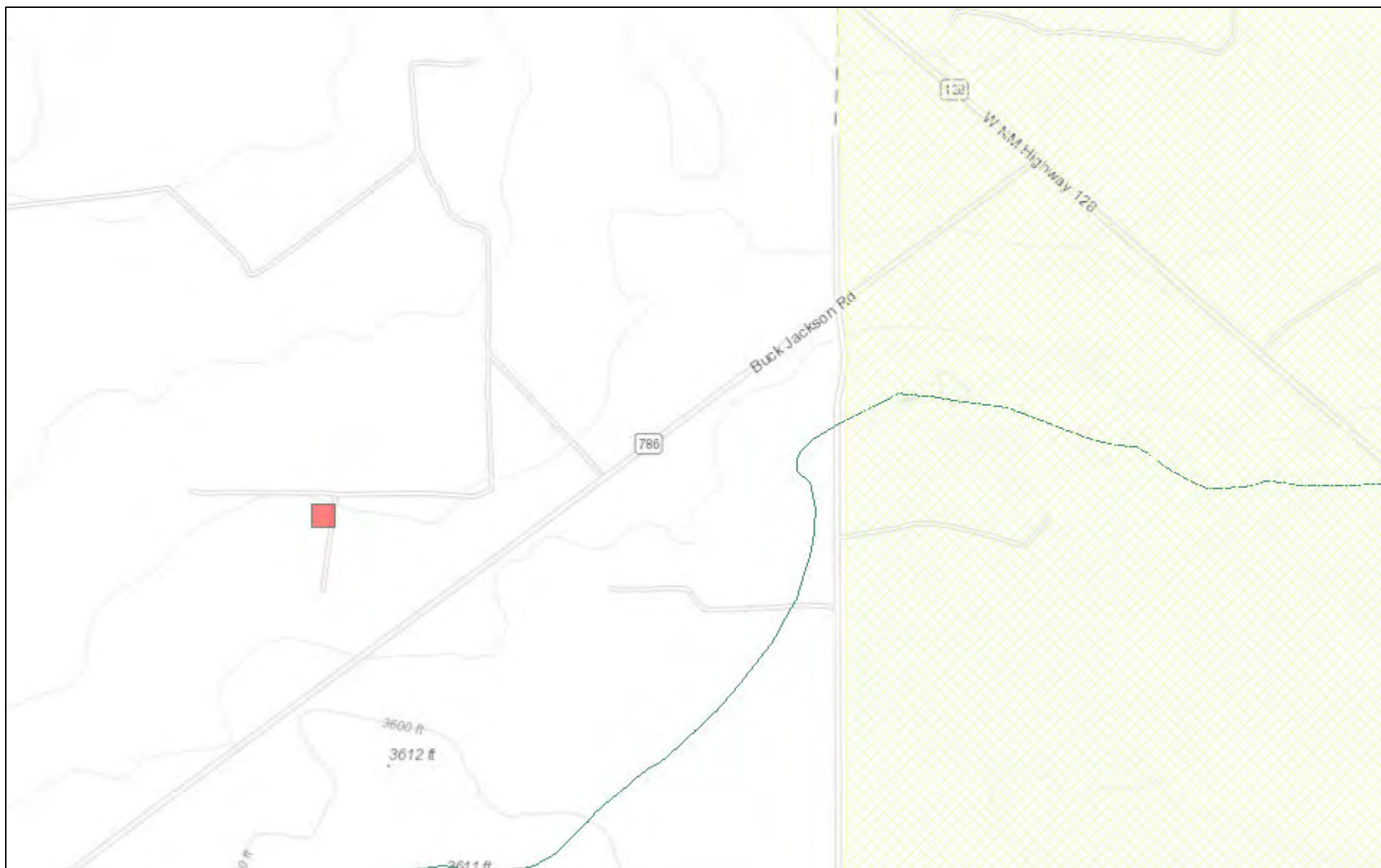
		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
		(quarters are smallest to largest)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
22333	C 04388 POD1	3	2	1	23	24S	31E	617546	3564006 
Driller License:	1058	Driller Company:				KEY'S DRILLING & PUMP SERVICE			
Driller Name:	KEY, GARYR.S AICHARDDENAS								
Drill Start Date:	12/18/2019	Drill Finish Date:				02/22/2020		Plug Date:	
Log File Date:	02/27/2020	PCW Rev Date:						Source:	Artesian
Pump Type:		Pipe Discharge Size:						Estimated Yield:	60 GPM
Casing Size:	4.50	Depth Well:				910 feet		Depth Water:	868 feet
Water Bearing Stratifications:					Top	Bottom	Description		
					866	868	Limestone/Dolomite/Chalk		
Casing Perforations:					Top	Bottom			
					850	910			

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

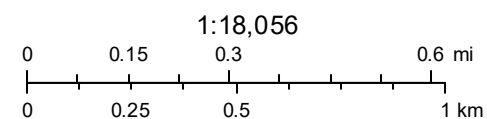
1/31/22 7:41 AM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



February 4, 2022



FEMA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

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: 880-10993-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Hoofprint Fed Com 1 (01.20.22)

For:

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

Attn: Conner Moehring

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

Authorized for release by:
2/14/2022 2:47:34 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

Review your project
results through
TotalAccess

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: Hoofprint Fed Com 1 (01.20.22)

Laboratory Job ID: 880-10993-1
SDG: Eddy Co, NM

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Certification Summary	27
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Definitions/Glossary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Job ID: 880-10993-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-10993-1

Receipt

The samples were received on 2/8/2022 10:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-3 (6") (880-10993-6). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike (MS) recoveries for preparation batch 880-18836 and analytical batch 880-19076 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The associated samples are: S-4 (0-3") (880-10993-8), S-4 (6") (880-10993-9) and S-4 (12") (880-10993-10).

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

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-10993-1

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 12:26	02/08/22 18:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/22 12:26	02/08/22 18:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/22 12:26	02/08/22 18:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/08/22 12:26	02/08/22 18:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/22 12:26	02/08/22 18:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/08/22 12:26	02/08/22 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	02/08/22 12:26	02/08/22 18:36	1
1,4-Difluorobenzene (Surr)	115		70 - 130	02/08/22 12:26	02/08/22 18:36	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/09/22 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	144		50.0		mg/Kg			02/10/22 09:32	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		02/08/22 11:06	02/09/22 00:35	1
Diesel Range Organics (Over C10-C28)	144		50.0		mg/Kg		02/08/22 11:06	02/09/22 00:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/09/22 00:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				02/08/22 11:06	02/09/22 00:35	1
o-Terphenyl	90		70 - 130				02/08/22 11:06	02/09/22 00:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	986		5.00		mg/Kg			02/11/22 16:36	1

Client Sample ID: S-1 (6")

Lab Sample ID: 880-10993-2

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 12:26	02/08/22 18:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/22 12:26	02/08/22 18:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/22 12:26	02/08/22 18:56	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/08/22 12:26	02/08/22 18:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/22 12:26	02/08/22 18:56	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/08/22 12:26	02/08/22 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/08/22 12:26	02/08/22 18:56	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/08/22 12:26	02/08/22 18:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (6")

Lab Sample ID: 880-10993-2

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/09/22 13:49	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			02/10/22 09:32	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		02/08/22 11:06	02/09/22 01:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/09/22 01:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/09/22 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				02/08/22 11:06	02/09/22 01:16	1
o-Terphenyl	92		70 - 130				02/08/22 11:06	02/09/22 01:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	930		4.95		mg/Kg			02/11/22 16:46	1

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-10993-3

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 12:26	02/08/22 19:17	1
Toluene	0.00229		0.00200		mg/Kg		02/08/22 12:26	02/08/22 19:17	1
Ethylbenzene	0.00292		0.00200		mg/Kg		02/08/22 12:26	02/08/22 19:17	1
m-Xylene & p-Xylene	0.00976		0.00399		mg/Kg		02/08/22 12:26	02/08/22 19:17	1
o-Xylene	0.00465		0.00200		mg/Kg		02/08/22 12:26	02/08/22 19:17	1
Xylenes, Total	0.0144		0.00399		mg/Kg		02/08/22 12:26	02/08/22 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				02/08/22 12:26	02/08/22 19:17	1
1,4-Difluorobenzene (Surr)	107		70 - 130				02/08/22 12:26	02/08/22 19:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0196		0.00399		mg/Kg			02/09/22 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3670		50.0		mg/Kg			02/10/22 09:32	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		02/08/22 11:06	02/09/22 01:37	1
Diesel Range Organics (Over C10-C28)	3670		50.0		mg/Kg		02/08/22 11:06	02/09/22 01:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-10993-3

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 11:06	02/09/22 01:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				02/08/22 11:06	02/09/22 01:37	1
o-Terphenyl	106		70 - 130				02/08/22 11:06	02/09/22 01:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.9		4.98		mg/Kg			02/11/22 16:55	1

Client Sample ID: S-2 (6")

Lab Sample ID: 880-10993-4

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 12:26	02/08/22 19:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/22 12:26	02/08/22 19:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/22 12:26	02/08/22 19:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/08/22 12:26	02/08/22 19:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/22 12:26	02/08/22 19:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/08/22 12:26	02/08/22 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				02/08/22 12:26	02/08/22 19:37	1
1,4-Difluorobenzene (Surr)	106		70 - 130				02/08/22 12:26	02/08/22 19:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/09/22 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	106		49.9		mg/Kg			02/10/22 09:44	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		02/08/22 11:06	02/09/22 01:58	1
Diesel Range Organics (Over C10-C28)	106		49.9		mg/Kg		02/08/22 11:06	02/09/22 01:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/09/22 01:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				02/08/22 11:06	02/09/22 01:58	1
o-Terphenyl	93		70 - 130				02/08/22 11:06	02/09/22 01:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.6		4.96		mg/Kg			02/11/22 17:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-10993-5

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 12:26	02/08/22 19:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/22 12:26	02/08/22 19:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/22 12:26	02/08/22 19:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/08/22 12:26	02/08/22 19:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/22 12:26	02/08/22 19:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/08/22 12:26	02/08/22 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	02/08/22 12:26	02/08/22 19:58	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/08/22 12:26	02/08/22 19:58	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			02/09/22 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1420		50.0		mg/Kg			02/10/22 09:44	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		02/08/22 11:06	02/09/22 02:18	1
Diesel Range Organics (Over C10-C28)	1420		50.0		mg/Kg		02/08/22 11:06	02/09/22 02:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/09/22 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				02/08/22 11:06	02/09/22 02:18	1
o-Terphenyl	95		70 - 130				02/08/22 11:06	02/09/22 02:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.4		4.97		mg/Kg			02/11/22 17:14	1

Client Sample ID: S-3 (6")

Lab Sample ID: 880-10993-6

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 12:26	02/08/22 20:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/08/22 12:26	02/08/22 20:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/08/22 12:26	02/08/22 20:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/08/22 12:26	02/08/22 20:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/08/22 12:26	02/08/22 20:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/08/22 12:26	02/08/22 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130	02/08/22 12:26	02/08/22 20:18	1
1,4-Difluorobenzene (Surr)	112		70 - 130	02/08/22 12:26	02/08/22 20:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (6")

Lab Sample ID: 880-10993-6

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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			02/09/22 13:49	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			02/10/22 09:44	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		02/08/22 11:06	02/09/22 02:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/09/22 02:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/09/22 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				02/08/22 11:06	02/09/22 02:39	1
o-Terphenyl	88		70 - 130				02/08/22 11:06	02/09/22 02:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.15		4.98		mg/Kg			02/11/22 17:23	1

Client Sample ID: S-3 (12")

Lab Sample ID: 880-10993-7

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 12:26	02/08/22 20:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/22 12:26	02/08/22 20:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/22 12:26	02/08/22 20:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/08/22 12:26	02/08/22 20:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/22 12:26	02/08/22 20:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/08/22 12:26	02/08/22 20:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				02/08/22 12:26	02/08/22 20:38	1
1,4-Difluorobenzene (Surr)	108		70 - 130				02/08/22 12:26	02/08/22 20:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/09/22 13:49	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			02/10/22 09:44	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		02/08/22 11:06	02/09/22 02:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/09/22 02:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (12")

Lab Sample ID: 880-10993-7

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 11:06	02/09/22 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				02/08/22 11:06	02/09/22 02:59	1
o-Terphenyl	81		70 - 130				02/08/22 11:06	02/09/22 02:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.6		5.00		mg/Kg			02/11/22 17:33	1

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

Lab Sample ID: 880-10993-8

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 12:26	02/08/22 20:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/22 12:26	02/08/22 20:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/22 12:26	02/08/22 20:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/08/22 12:26	02/08/22 20:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/22 12:26	02/08/22 20:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/08/22 12:26	02/08/22 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				02/08/22 12:26	02/08/22 20:59	1
1,4-Difluorobenzene (Surr)	109		70 - 130				02/08/22 12:26	02/08/22 20:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/09/22 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.7		50.0		mg/Kg			02/10/22 09:44	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		02/08/22 11:06	02/09/22 03:20	1
Diesel Range Organics (Over C10-C28)	69.7		50.0		mg/Kg		02/08/22 11:06	02/09/22 03:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/09/22 03:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				02/08/22 11:06	02/09/22 03:20	1
o-Terphenyl	88		70 - 130				02/08/22 11:06	02/09/22 03:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U F1	4.99		mg/Kg			02/11/22 15:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (6")

Lab Sample ID: 880-10993-9

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 12:26	02/08/22 21:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/22 12:26	02/08/22 21:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/22 12:26	02/08/22 21:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/08/22 12:26	02/08/22 21:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/22 12:26	02/08/22 21:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/08/22 12:26	02/08/22 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	02/08/22 12:26	02/08/22 21:19	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/08/22 12:26	02/08/22 21:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/09/22 13:49	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			02/10/22 09:44	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		02/08/22 11:06	02/09/22 03:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/09/22 03:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/09/22 03:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	02/08/22 11:06	02/09/22 03:40	1
o-Terphenyl	87		70 - 130	02/08/22 11:06	02/09/22 03:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			02/11/22 01:35	1

Client Sample ID: S-4 (12")

Lab Sample ID: 880-10993-10

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 12:26	02/08/22 21:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/22 12:26	02/08/22 21:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/22 12:26	02/08/22 21:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/08/22 12:26	02/08/22 21:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/22 12:26	02/08/22 21:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/08/22 12:26	02/08/22 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	02/08/22 12:26	02/08/22 21:40	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/08/22 12:26	02/08/22 21:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (12")

Lab Sample ID: 880-10993-10

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/09/22 13:49	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			02/10/22 09:44	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		02/08/22 11:06	02/09/22 04:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/09/22 04:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/09/22 04:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				02/08/22 11:06	02/09/22 04:01	1
o-Terphenyl	96		70 - 130				02/08/22 11:06	02/09/22 04:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			02/11/22 01:43	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-10993-1	S-1 (0-3")	122	115				
880-10993-1 MS	S-1 (0-3")	101	104				
880-10993-1 MSD	S-1 (0-3")	97	107				
880-10993-2	S-1 (6")	103	101				
880-10993-3	S-2 (0-3")	91	107				
880-10993-4	S-2 (6")	130	106				
880-10993-5	S-3 (0-3")	92	103				
880-10993-6	S-3 (6")	156 S1+	112				
880-10993-7	S-3 (12")	112	108				
880-10993-8	S-4 (0-3")	101	109				
880-10993-9	S-4 (6")	105	100				
880-10993-10	S-4 (12")	122	110				
LCS 880-18815/1-A	Lab Control Sample	101	96				
LCSD 880-18815/2-A	Lab Control Sample Dup	95	112				
MB 880-18815/5-A	Method Blank	103	105				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-10991-A-1-B MS	Matrix Spike	83	88				
880-10991-A-1-C MSD	Matrix Spike Duplicate	83	92				
880-10993-1	S-1 (0-3")	83	90				
880-10993-2	S-1 (6")	84	92				
880-10993-3	S-2 (0-3")	102	106				
880-10993-4	S-2 (6")	83	93				
880-10993-5	S-3 (0-3")	89	95				
880-10993-6	S-3 (6")	86	88				
880-10993-7	S-3 (12")	77	81				
880-10993-8	S-4 (0-3")	84	88				
880-10993-9	S-4 (6")	80	87				
880-10993-10	S-4 (12")	95	96				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO2	OTPH2				
		(70-130)	(70-130)				
LCS 880-18812/2-A	Lab Control Sample	91	106				
LCSD 880-18812/3-A	Lab Control Sample Dup	98	102				

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-10993-1

Project/Site: Hoofprint Fed Com 1 (01.20.22)

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)				
MB 880-18812/1-A	Method Blank	103	119				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-18815/5-A

Matrix: Solid

Analysis Batch: 18799

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/22 12:26	02/08/22 18:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/22 12:26	02/08/22 18:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/22 12:26	02/08/22 18:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/08/22 12:26	02/08/22 18:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/22 12:26	02/08/22 18:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/08/22 12:26	02/08/22 18:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/08/22 12:26	02/08/22 18:14	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/08/22 12:26	02/08/22 18:14	1

Lab Sample ID: LCS 880-18815/1-A

Matrix: Solid

Analysis Batch: 18799

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1013		mg/Kg		101	70 - 130
Toluene	0.100	0.09879		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1098		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2068		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1038		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-18815/2-A

Matrix: Solid

Analysis Batch: 18799

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18815

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09897		mg/Kg		99	70 - 130	2	35
Toluene	0.100	0.09744		mg/Kg		97	70 - 130	1	35
Ethylbenzene	0.100	0.1057		mg/Kg		106	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1989		mg/Kg		99	70 - 130	4	35
o-Xylene	0.100	0.09909		mg/Kg		99	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-10993-1 MS

Matrix: Solid

Analysis Batch: 18799

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

Prep Type: Total/NA

Prep Batch: 18815

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.0992	0.09320		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.0992	0.09142		mg/Kg		92	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-10993-1 MS

Matrix: Solid

Analysis Batch: 18799

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

Prep Type: Total/NA

Prep Batch: 18815

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U	0.0992	0.09620		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.198	0.1765		mg/Kg		89	70 - 130
o-Xylene	<0.00200	U	0.0992	0.08958		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-10993-1 MSD

Matrix: Solid

Analysis Batch: 18799

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

Prep Type: Total/NA

Prep Batch: 18815

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.07938		mg/Kg		80	70 - 130	16	35
Toluene	<0.00200	U	0.0994	0.07348		mg/Kg		74	70 - 130	22	35
Ethylbenzene	<0.00200	U	0.0994	0.07585		mg/Kg		76	70 - 130	24	35
m-Xylene & p-Xylene	<0.00400	U	0.199	0.1388		mg/Kg		70	70 - 130	24	35
o-Xylene	<0.00200	U	0.0994	0.07234		mg/Kg		73	70 - 130	21	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

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

Lab Sample ID: MB 880-18812/1-A

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18812

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		02/08/22 11:06	02/08/22 19:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 19:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 19:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	02/08/22 11:06	02/08/22 19:47	1
o-Terphenyl	119		70 - 130	02/08/22 11:06	02/08/22 19:47	1

Lab Sample ID: LCS 880-18812/2-A

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18812

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	768.6		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1110		mg/Kg		111	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-18812/2-A

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18812

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-18812/3-A

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18812

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	784.7		mg/Kg		78	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1097		mg/Kg		110	70 - 130	1	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	102		70 - 130								

Lab Sample ID: 880-10991-A-1-B MS

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 18812

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	<50.0	U	1000	1093		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1125		mg/Kg		113	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	83		70 - 130								
o-Terphenyl	88		70 - 130								

Lab Sample ID: 880-10991-A-1-C MSD

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 18812

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	989.9		mg/Kg		97	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1159		mg/Kg		116	70 - 130	3	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	83		70 - 130								
o-Terphenyl	92		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-18836/1-A

Matrix: Solid

Analysis Batch: 19076

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			02/11/22 00:41	1

Lab Sample ID: LCS 880-18836/2-A

Matrix: Solid

Analysis Batch: 19076

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	259.0		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-18836/3-A

Matrix: Solid

Analysis Batch: 19076

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	259.1		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-10993-8 MS

Matrix: Solid

Analysis Batch: 19076

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<4.99	U F1	250	283.2	F1	mg/Kg		112	90 - 110

Lab Sample ID: 880-10993-8 MSD

Matrix: Solid

Analysis Batch: 19076

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.99	U F1	250	278.7		mg/Kg		110	90 - 110	2	20

Lab Sample ID: MB 880-18835/1-A

Matrix: Solid

Analysis Batch: 19077

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			02/11/22 05:51	1

Lab Sample ID: LCS 880-18835/2-A

Matrix: Solid

Analysis Batch: 19077

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	261.5		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-18835/3-A

Matrix: Solid

Analysis Batch: 19077

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	257.8		mg/Kg		103	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-10992-A-4-D MS

Matrix: Solid

Analysis Batch: 19077

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	16.1		251	283.1		mg/Kg		107	90 - 110

Lab Sample ID: 880-10992-A-4-E MSD

Matrix: Solid

Analysis Batch: 19077

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	16.1		251	279.3		mg/Kg		105	90 - 110	1	20

QC Association Summary

Client: Carmona Resources

Job ID: 880-10993-1

Project/Site: Hoofprint Fed Com 1 (01.20.22)

SDG: Eddy Co, NM

GC VOA

Analysis Batch: 18799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10993-1	S-1 (0-3")	Total/NA	Solid	8021B	18815
880-10993-2	S-1 (6")	Total/NA	Solid	8021B	18815
880-10993-3	S-2 (0-3")	Total/NA	Solid	8021B	18815
880-10993-4	S-2 (6")	Total/NA	Solid	8021B	18815
880-10993-5	S-3 (0-3")	Total/NA	Solid	8021B	18815
880-10993-6	S-3 (6")	Total/NA	Solid	8021B	18815
880-10993-7	S-3 (12")	Total/NA	Solid	8021B	18815
880-10993-8	S-4 (0-3")	Total/NA	Solid	8021B	18815
880-10993-9	S-4 (6")	Total/NA	Solid	8021B	18815
880-10993-10	S-4 (12")	Total/NA	Solid	8021B	18815
MB 880-18815/5-A	Method Blank	Total/NA	Solid	8021B	18815
LCS 880-18815/1-A	Lab Control Sample	Total/NA	Solid	8021B	18815
LCSD 880-18815/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18815
880-10993-1 MS	S-1 (0-3")	Total/NA	Solid	8021B	18815
880-10993-1 MSD	S-1 (0-3")	Total/NA	Solid	8021B	18815

Prep Batch: 18815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10993-1	S-1 (0-3")	Total/NA	Solid	5035	
880-10993-2	S-1 (6")	Total/NA	Solid	5035	
880-10993-3	S-2 (0-3")	Total/NA	Solid	5035	
880-10993-4	S-2 (6")	Total/NA	Solid	5035	
880-10993-5	S-3 (0-3")	Total/NA	Solid	5035	
880-10993-6	S-3 (6")	Total/NA	Solid	5035	
880-10993-7	S-3 (12")	Total/NA	Solid	5035	
880-10993-8	S-4 (0-3")	Total/NA	Solid	5035	
880-10993-9	S-4 (6")	Total/NA	Solid	5035	
880-10993-10	S-4 (12")	Total/NA	Solid	5035	
MB 880-18815/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18815/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18815/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10993-1 MS	S-1 (0-3")	Total/NA	Solid	5035	
880-10993-1 MSD	S-1 (0-3")	Total/NA	Solid	5035	

Analysis Batch: 18929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10993-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-10993-2	S-1 (6")	Total/NA	Solid	Total BTEX	
880-10993-3	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-10993-4	S-2 (6")	Total/NA	Solid	Total BTEX	
880-10993-5	S-3 (0-3")	Total/NA	Solid	Total BTEX	
880-10993-6	S-3 (6")	Total/NA	Solid	Total BTEX	
880-10993-7	S-3 (12")	Total/NA	Solid	Total BTEX	
880-10993-8	S-4 (0-3")	Total/NA	Solid	Total BTEX	
880-10993-9	S-4 (6")	Total/NA	Solid	Total BTEX	
880-10993-10	S-4 (12")	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 18805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10993-1	S-1 (0-3")	Total/NA	Solid	8015B NM	18812
880-10993-2	S-1 (6")	Total/NA	Solid	8015B NM	18812
880-10993-3	S-2 (0-3")	Total/NA	Solid	8015B NM	18812
880-10993-4	S-2 (6")	Total/NA	Solid	8015B NM	18812
880-10993-5	S-3 (0-3")	Total/NA	Solid	8015B NM	18812
880-10993-6	S-3 (6")	Total/NA	Solid	8015B NM	18812
880-10993-7	S-3 (12")	Total/NA	Solid	8015B NM	18812
880-10993-8	S-4 (0-3")	Total/NA	Solid	8015B NM	18812
880-10993-9	S-4 (6")	Total/NA	Solid	8015B NM	18812
880-10993-10	S-4 (12")	Total/NA	Solid	8015B NM	18812
MB 880-18812/1-A	Method Blank	Total/NA	Solid	8015B NM	18812
LCS 880-18812/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18812
LCSD 880-18812/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18812
880-10991-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	18812
880-10991-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	18812

Prep Batch: 18812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10993-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-10993-2	S-1 (6")	Total/NA	Solid	8015NM Prep	
880-10993-3	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-10993-4	S-2 (6")	Total/NA	Solid	8015NM Prep	
880-10993-5	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-10993-6	S-3 (6")	Total/NA	Solid	8015NM Prep	
880-10993-7	S-3 (12")	Total/NA	Solid	8015NM Prep	
880-10993-8	S-4 (0-3")	Total/NA	Solid	8015NM Prep	
880-10993-9	S-4 (6")	Total/NA	Solid	8015NM Prep	
880-10993-10	S-4 (12")	Total/NA	Solid	8015NM Prep	
MB 880-18812/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18812/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18812/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10991-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-10991-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 19008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10993-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-10993-2	S-1 (6")	Total/NA	Solid	8015 NM	
880-10993-3	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-10993-4	S-2 (6")	Total/NA	Solid	8015 NM	
880-10993-5	S-3 (0-3")	Total/NA	Solid	8015 NM	
880-10993-6	S-3 (6")	Total/NA	Solid	8015 NM	
880-10993-7	S-3 (12")	Total/NA	Solid	8015 NM	
880-10993-8	S-4 (0-3")	Total/NA	Solid	8015 NM	
880-10993-9	S-4 (6")	Total/NA	Solid	8015 NM	
880-10993-10	S-4 (12")	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

HPLC/IC

Leach Batch: 18835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10993-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-10993-2	S-1 (6")	Soluble	Solid	DI Leach	
880-10993-3	S-2 (0-3")	Soluble	Solid	DI Leach	
880-10993-4	S-2 (6")	Soluble	Solid	DI Leach	
880-10993-5	S-3 (0-3")	Soluble	Solid	DI Leach	
880-10993-6	S-3 (6")	Soluble	Solid	DI Leach	
880-10993-7	S-3 (12")	Soluble	Solid	DI Leach	
MB 880-18835/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-18835/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-18835/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-10992-A-4-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-10992-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 18836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10993-8	S-4 (0-3")	Soluble	Solid	DI Leach	
880-10993-9	S-4 (6")	Soluble	Solid	DI Leach	
880-10993-10	S-4 (12")	Soluble	Solid	DI Leach	
MB 880-18836/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-18836/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-18836/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-10993-8 MS	S-4 (0-3")	Soluble	Solid	DI Leach	
880-10993-8 MSD	S-4 (0-3")	Soluble	Solid	DI Leach	

Analysis Batch: 19076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10993-8	S-4 (0-3")	Soluble	Solid	300.0	18836
880-10993-9	S-4 (6")	Soluble	Solid	300.0	18836
880-10993-10	S-4 (12")	Soluble	Solid	300.0	18836
MB 880-18836/1-A	Method Blank	Soluble	Solid	300.0	18836
LCS 880-18836/2-A	Lab Control Sample	Soluble	Solid	300.0	18836
LCSD 880-18836/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	18836
880-10993-8 MS	S-4 (0-3")	Soluble	Solid	300.0	18836
880-10993-8 MSD	S-4 (0-3")	Soluble	Solid	300.0	18836

Analysis Batch: 19077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10993-1	S-1 (0-3")	Soluble	Solid	300.0	18835
880-10993-2	S-1 (6")	Soluble	Solid	300.0	18835
880-10993-3	S-2 (0-3")	Soluble	Solid	300.0	18835
880-10993-4	S-2 (6")	Soluble	Solid	300.0	18835
880-10993-5	S-3 (0-3")	Soluble	Solid	300.0	18835
880-10993-6	S-3 (6")	Soluble	Solid	300.0	18835
880-10993-7	S-3 (12")	Soluble	Solid	300.0	18835
MB 880-18835/1-A	Method Blank	Soluble	Solid	300.0	18835
LCS 880-18835/2-A	Lab Control Sample	Soluble	Solid	300.0	18835
LCSD 880-18835/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	18835
880-10992-A-4-D MS	Matrix Spike	Soluble	Solid	300.0	18835
880-10992-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	18835

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-10993-1

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	18815	02/08/22 12:26	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18799	02/08/22 18:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18929	02/09/22 13:49	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/09/22 00:35	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 16:36	SC	XEN MID

Client Sample ID: S-1 (6")

Lab Sample ID: 880-10993-2

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	18815	02/08/22 12:26	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18799	02/08/22 18:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18929	02/09/22 13:49	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/09/22 01:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 16:46	SC	XEN MID

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-10993-3

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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	18815	02/08/22 12:26	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18799	02/08/22 19:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18929	02/09/22 13:49	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/09/22 01:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 16:55	SC	XEN MID

Client Sample ID: S-2 (6")

Lab Sample ID: 880-10993-4

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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	18815	02/08/22 12:26	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18799	02/08/22 19:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18929	02/09/22 13:49	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (6")

Lab Sample ID: 880-10993-4

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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			19008	02/10/22 09:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/09/22 01:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 17:04	SC	XEN MID

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

Lab Sample ID: 880-10993-5

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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	18815	02/08/22 12:26	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18799	02/08/22 19:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18929	02/09/22 13:49	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/09/22 02:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 17:14	SC	XEN MID

Client Sample ID: S-3 (6")

Lab Sample ID: 880-10993-6

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	18815	02/08/22 12:26	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18799	02/08/22 20:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18929	02/09/22 13:49	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/09/22 02:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 17:23	SC	XEN MID

Client Sample ID: S-3 (12")

Lab Sample ID: 880-10993-7

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	18815	02/08/22 12:26	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18799	02/08/22 20:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18929	02/09/22 13:49	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/09/22 02:59	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (12")

Lab Sample ID: 880-10993-7

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 17:33	SC	XEN MID

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

Lab Sample ID: 880-10993-8

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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	18815	02/08/22 12:26	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18799	02/08/22 20:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18929	02/09/22 13:49	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/09/22 03:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18836	02/08/22 14:24	SC	XEN MID
Soluble	Analysis	300.0		1			19076	02/11/22 15:22	SC	XEN MID

Client Sample ID: S-4 (6")

Lab Sample ID: 880-10993-9

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	18815	02/08/22 12:26	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18799	02/08/22 21:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18929	02/09/22 13:49	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/09/22 03:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	18836	02/08/22 14:24	SC	XEN MID
Soluble	Analysis	300.0		1			19076	02/11/22 01:35	SC	XEN MID

Client Sample ID: S-4 (12")

Lab Sample ID: 880-10993-10

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	18815	02/08/22 12:26	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18799	02/08/22 21:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18929	02/09/22 13:49	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/09/22 04:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	18836	02/08/22 14:24	SC	XEN MID
Soluble	Analysis	300.0		1			19076	02/11/22 01:43	SC	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	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: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10993-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-10993-1	S-1 (0-3")	Solid	02/07/22 00:00	02/08/22 10:17
880-10993-2	S-1 (6")	Solid	02/07/22 00:00	02/08/22 10:17
880-10993-3	S-2 (0-3")	Solid	02/07/22 00:00	02/08/22 10:17
880-10993-4	S-2 (6")	Solid	02/07/22 00:00	02/08/22 10:17
880-10993-5	S-3 (0-3")	Solid	02/07/22 00:00	02/08/22 10:17
880-10993-6	S-3 (6")	Solid	02/07/22 00:00	02/08/22 10:17
880-10993-7	S-3 (12")	Solid	02/07/22 00:00	02/08/22 10:17
880-10993-8	S-4 (0-3")	Solid	02/07/22 00:00	02/08/22 10:17
880-10993-9	S-4 (6")	Solid	02/07/22 00:00	02/08/22 10:17
880-10993-10	S-4 (12")	Solid	02/07/22 00:00	02/08/22 10:17

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Levittown, PA 19056
Phone	432-813-6823	Email	jacquiharris@conocophillips.com

Project Name	Hoofprint Fed Com 1 (01 20 22)	Turn Around	Pres. Code
Project Number	1006	☐ Routine ☒ Rush	
Project Location	Eddy Co, NM	Due Date	72 Hrs
Sampler's Name	CRM	TAT starts the day received by the lab if received by 4:30pm	
PO #			

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

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
S-1 (0-3")	2/7/2022		X		G	1	BTX 8021B		None NO	
S-1 (6")	2/7/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)		Cool Cool	
S-2 (0-3")	2/7/2022		X		G	1	Chloride 300.0		HCL, HC	
S-2 (6")	2/7/2022		X		G	1			H ₂ SO ₄ , H ₂	
S-3 (0-3")	2/7/2022		X		G	1			H ₃ PO ₄ , HP	
S-3 (6")	2/7/2022		X		G	1			NaHSO ₄ , NABIS	
S-3 (12")	2/7/2022		X		G	1			Na ₂ S ₂ O ₃ , NaSO ₃	
S-4 (0-3")	2/7/2022		X		G	1			Zn Acetate+NaOH Zn	
S-4 (6")	2/7/2022		X		G	1			NaOH+Ascorbic Acid SAPC	
S-4 (12")	2/7/2022		X		G	1				

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	<i>Jacqui Harris</i>	2/6/22 10:13			

Revised Date 06/07/2020 Rev. 2020.1

880-10993 Chain of Custody



Page 1 of 1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-10993-1

SDG Number: Eddy Co, NM

Login Number: 10993

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.	N/A	No time on COC, logged in per container labels.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-10992-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Hoofprint Fed Com 1 (01.20.22)

For:

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

Attn: Conner Moehring

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

Authorized for release by:
2/14/2022 1:18:04 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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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: Hoofprint Fed Com 1 (01.20.22)

Laboratory Job ID: 880-10992-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

Job ID: 880-10992-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-10992-1****Receipt**

The samples were received on 2/8/2022 10:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-18814 and analytical batch 880-18798 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: H-1 (0-6") (880-10992-1), H-2 (0-6") (880-10992-2), H-3 (0-6") (880-10992-3), H-5 (0-6") (880-10992-5) and (LCS 880-18670/1-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-10992-1

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		02/08/22 11:45	02/09/22 01:51	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		02/08/22 11:45	02/09/22 01:51	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		02/08/22 11:45	02/09/22 01:51	1
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.00399		mg/Kg		02/08/22 11:45	02/09/22 01:51	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		02/08/22 11:45	02/09/22 01:51	1
Xylenes, Total	<0.00399	U F2 F1	0.00399		mg/Kg		02/08/22 11:45	02/09/22 01:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130	02/08/22 11:45	02/09/22 01:51	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/08/22 11:45	02/09/22 01:51	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			02/10/22 10:09	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			02/10/22 09:32	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		02/08/22 11:06	02/08/22 22:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/08/22 22:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/08/22 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	02/08/22 11:06	02/08/22 22:31	1
o-Terphenyl	92		70 - 130	02/08/22 11:06	02/08/22 22:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.4		4.95		mg/Kg			02/11/22 18:29	1

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-10992-2

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 11:45	02/09/22 02:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/08/22 11:45	02/09/22 02:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/08/22 11:45	02/09/22 02:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/08/22 11:45	02/09/22 02:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/08/22 11:45	02/09/22 02:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/08/22 11:45	02/09/22 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	02/08/22 11:45	02/09/22 02:12	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/08/22 11:45	02/09/22 02:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-10992-2

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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			02/10/22 10:09	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			02/10/22 09:32	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		02/08/22 11:06	02/08/22 22:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/08/22 22:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/08/22 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				02/08/22 11:06	02/08/22 22:52	1
o-Terphenyl	93		70 - 130				02/08/22 11:06	02/08/22 22:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.3		4.98		mg/Kg			02/11/22 08:04	1

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-10992-3

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 11:45	02/09/22 02:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/22 11:45	02/09/22 02:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/22 11:45	02/09/22 02:32	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/08/22 11:45	02/09/22 02:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/22 11:45	02/09/22 02:32	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/08/22 11:45	02/09/22 02:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				02/08/22 11:45	02/09/22 02:32	1
1,4-Difluorobenzene (Surr)	89		70 - 130				02/08/22 11:45	02/09/22 02:32	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			02/10/22 10:09	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			02/10/22 09:32	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		02/08/22 11:06	02/08/22 23:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/08/22 23:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-10992-3

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 11:06	02/08/22 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				02/08/22 11:06	02/08/22 23:12	1
o-Terphenyl	88		70 - 130				02/08/22 11:06	02/08/22 23:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.69		4.95		mg/Kg			02/11/22 08:13	1

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-10992-4

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 11:45	02/09/22 02:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/08/22 11:45	02/09/22 02:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/08/22 11:45	02/09/22 02:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/08/22 11:45	02/09/22 02:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/08/22 11:45	02/09/22 02:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/08/22 11:45	02/09/22 02:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				02/08/22 11:45	02/09/22 02:52	1
1,4-Difluorobenzene (Surr)	89		70 - 130				02/08/22 11:45	02/09/22 02:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/10/22 10:09	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			02/10/22 09:32	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		02/08/22 11:06	02/08/22 23:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 23:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				02/08/22 11:06	02/08/22 23:33	1
o-Terphenyl	85		70 - 130				02/08/22 11:06	02/08/22 23:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.1		5.01		mg/Kg			02/11/22 08:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-10992-5

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 11:45	02/09/22 03:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/08/22 11:45	02/09/22 03:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/08/22 11:45	02/09/22 03:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/08/22 11:45	02/09/22 03:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/08/22 11:45	02/09/22 03:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/08/22 11:45	02/09/22 03:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	02/08/22 11:45	02/09/22 03:13	1
1,4-Difluorobenzene (Surr)	141	S1+	70 - 130	02/08/22 11:45	02/09/22 03:13	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			02/10/22 10:09	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			02/10/22 09:32	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		02/08/22 11:06	02/08/22 23:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 23:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	02/08/22 11:06	02/08/22 23:54	1
o-Terphenyl	79		70 - 130	02/08/22 11:06	02/08/22 23:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.6		4.99		mg/Kg			02/11/22 08:48	1

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-10992-6

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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		02/08/22 11:45	02/09/22 03:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/22 11:45	02/09/22 03:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/22 11:45	02/09/22 03:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/08/22 11:45	02/09/22 03:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/22 11:45	02/09/22 03:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/08/22 11:45	02/09/22 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/08/22 11:45	02/09/22 03:33	1
1,4-Difluorobenzene (Surr)	86		70 - 130	02/08/22 11:45	02/09/22 03:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-10992-6

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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			02/10/22 10:09	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			02/10/22 09:32	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		02/08/22 11:06	02/09/22 00:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/09/22 00:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/09/22 00:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				02/08/22 11:06	02/09/22 00:14	1
o-Terphenyl	90		70 - 130				02/08/22 11:06	02/09/22 00:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.3		4.95		mg/Kg			02/11/22 18:38	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-10992-1	H-1 (0-6")	150 S1+	111
880-10992-1 MS	H-1 (0-6")	144 S1+	89
880-10992-1 MSD	H-1 (0-6")	109	175 S1+
880-10992-2	H-2 (0-6")	132 S1+	98
880-10992-3	H-3 (0-6")	131 S1+	89
880-10992-4	H-4 (0-6")	121	89
880-10992-5	H-5 (0-6")	127	141 S1+
880-10992-6	H-6 (0-6")	119	86
LCS 880-18814/1-A	Lab Control Sample	119	95
LCSD 880-18814/2-A	Lab Control Sample Dup	128	97
MB 880-18670/5-A	Method Blank	109	83
MB 880-18814/5-A	Method Blank	123	98
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-10991-A-1-B MS	Matrix Spike	83	88
880-10991-A-1-C MSD	Matrix Spike Duplicate	83	92
880-10992-1	H-1 (0-6")	84	92
880-10992-2	H-2 (0-6")	89	93
880-10992-3	H-3 (0-6")	88	88
880-10992-4	H-4 (0-6")	81	85
880-10992-5	H-5 (0-6")	76	79
880-10992-6	H-6 (0-6")	82	90
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-18812/2-A	Lab Control Sample	91	106
LCSD 880-18812/3-A	Lab Control Sample Dup	98	102
MB 880-18812/1-A	Method Blank	103	119
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-18670/5-A

Matrix: Solid

Analysis Batch: 18798

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18670

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/22 07:30	02/08/22 12:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/22 07:30	02/08/22 12:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/22 07:30	02/08/22 12:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/08/22 07:30	02/08/22 12:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/22 07:30	02/08/22 12:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/08/22 07:30	02/08/22 12:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	02/08/22 07:30	02/08/22 12:11	1
1,4-Difluorobenzene (Surr)	83		70 - 130	02/08/22 07:30	02/08/22 12:11	1

Lab Sample ID: MB 880-18814/5-A

Matrix: Solid

Analysis Batch: 18798

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18814

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/08/22 11:45	02/09/22 01:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/08/22 11:45	02/09/22 01:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/08/22 11:45	02/09/22 01:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/08/22 11:45	02/09/22 01:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/08/22 11:45	02/09/22 01:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/08/22 11:45	02/09/22 01:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/08/22 11:45	02/09/22 01:22	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/08/22 11:45	02/09/22 01:22	1

Lab Sample ID: LCS 880-18814/1-A

Matrix: Solid

Analysis Batch: 18798

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18814

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08128		mg/Kg		81	70 - 130
Toluene	0.100	0.09619		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09451		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1898		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09356		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-18814/2-A

Matrix: Solid

Analysis Batch: 18798

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18814

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09109		mg/Kg		91	70 - 130	11	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-18814/2-A

Matrix: Solid

Analysis Batch: 18798

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18814

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.09878		mg/Kg		99	70 - 130	3	35
Ethylbenzene	0.100	0.1047		mg/Kg		105	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2018		mg/Kg		101	70 - 130	6	35
o-Xylene	0.100	0.09928		mg/Kg		99	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-10992-1 MS

Matrix: Solid

Analysis Batch: 18798

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

Prep Type: Total/NA

Prep Batch: 18814

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.0998	0.04205	F1	mg/Kg		42	70 - 130
Toluene	<0.00200	U F1	0.0998	0.04209	F1	mg/Kg		42	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.0998	0.05559	F1	mg/Kg		56	70 - 130
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.09621	F1	mg/Kg		48	70 - 130
o-Xylene	<0.00200	U F2 F1	0.0998	0.05831	F1	mg/Kg		58	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-10992-1 MSD

Matrix: Solid

Analysis Batch: 18798

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

Prep Type: Total/NA

Prep Batch: 18814

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.101	0.04942	F1	mg/Kg		49	70 - 130	16	35
Toluene	<0.00200	U F1	0.101	0.04203	F1	mg/Kg		42	70 - 130	0	35
Ethylbenzene	<0.00200	U F2 F1	0.101	0.02113	F2 F1	mg/Kg		21	70 - 130	90	35
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.202	0.04190	F2 F1	mg/Kg		21	70 - 130	79	35
o-Xylene	<0.00200	U F2 F1	0.101	0.02767	F2 F1	mg/Kg		27	70 - 130	71	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	175	S1+	70 - 130

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

Lab Sample ID: MB 880-18812/1-A

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18812

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		02/08/22 11:06	02/08/22 19:47	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-18812/1-A

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18812

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 19:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 19:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				02/08/22 11:06	02/08/22 19:47	1
o-Terphenyl	119		70 - 130				02/08/22 11:06	02/08/22 19:47	1

Lab Sample ID: LCS 880-18812/2-A

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18812

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	768.6		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1110		mg/Kg		111	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	91		70 - 130				
o-Terphenyl	106		70 - 130				

Lab Sample ID: LCSD 880-18812/3-A

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18812

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	784.7		mg/Kg		78	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1097		mg/Kg		110	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	98		70 - 130						
o-Terphenyl	102		70 - 130						

Lab Sample ID: 880-10991-A-1-B MS

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 18812

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1093		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1125		mg/Kg		113	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	83		70 - 130						
o-Terphenyl	88		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-10991-A-1-C MSD

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 18812

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	989.9		mg/Kg		97	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1159		mg/Kg		116	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	83		70 - 130								
o-Terphenyl	92		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-18835/1-A

Matrix: Solid

Analysis Batch: 19077

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			02/11/22 05:51	1

Lab Sample ID: LCS 880-18835/2-A

Matrix: Solid

Analysis Batch: 19077

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	261.5		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-18835/3-A

Matrix: Solid

Analysis Batch: 19077

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	257.8		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-10992-4 MS

Matrix: Solid

Analysis Batch: 19077

Client Sample ID: H-4 (0-6")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	16.1		251	283.1		mg/Kg		107	90 - 110		

Lab Sample ID: 880-10992-4 MSD

Matrix: Solid

Analysis Batch: 19077

Client Sample ID: H-4 (0-6")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	16.1		251	279.3		mg/Kg		105	90 - 110	1	20

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QC Association Summary

Client: Carmona Resources

Job ID: 880-10992-1

Project/Site: Hoofprint Fed Com 1 (01.20.22)

SDG: Eddy Co, NM

GC VOA

Prep Batch: 18670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-18670/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 18798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10992-1	H-1 (0-6")	Total/NA	Solid	8021B	18814
880-10992-2	H-2 (0-6")	Total/NA	Solid	8021B	18814
880-10992-3	H-3 (0-6")	Total/NA	Solid	8021B	18814
880-10992-4	H-4 (0-6")	Total/NA	Solid	8021B	18814
880-10992-5	H-5 (0-6")	Total/NA	Solid	8021B	18814
880-10992-6	H-6 (0-6")	Total/NA	Solid	8021B	18814
MB 880-18670/5-A	Method Blank	Total/NA	Solid	8021B	18670
MB 880-18814/5-A	Method Blank	Total/NA	Solid	8021B	18814
LCS 880-18814/1-A	Lab Control Sample	Total/NA	Solid	8021B	18814
LCSD 880-18814/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18814
880-10992-1 MS	H-1 (0-6")	Total/NA	Solid	8021B	18814
880-10992-1 MSD	H-1 (0-6")	Total/NA	Solid	8021B	18814

Prep Batch: 18814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10992-1	H-1 (0-6")	Total/NA	Solid	5035	
880-10992-2	H-2 (0-6")	Total/NA	Solid	5035	
880-10992-3	H-3 (0-6")	Total/NA	Solid	5035	
880-10992-4	H-4 (0-6")	Total/NA	Solid	5035	
880-10992-5	H-5 (0-6")	Total/NA	Solid	5035	
880-10992-6	H-6 (0-6")	Total/NA	Solid	5035	
MB 880-18814/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18814/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18814/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10992-1 MS	H-1 (0-6")	Total/NA	Solid	5035	
880-10992-1 MSD	H-1 (0-6")	Total/NA	Solid	5035	

Analysis Batch: 19024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10992-1	H-1 (0-6")	Total/NA	Solid	Total BTEX	
880-10992-2	H-2 (0-6")	Total/NA	Solid	Total BTEX	
880-10992-3	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-10992-4	H-4 (0-6")	Total/NA	Solid	Total BTEX	
880-10992-5	H-5 (0-6")	Total/NA	Solid	Total BTEX	
880-10992-6	H-6 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 18805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10992-1	H-1 (0-6")	Total/NA	Solid	8015B NM	18812
880-10992-2	H-2 (0-6")	Total/NA	Solid	8015B NM	18812
880-10992-3	H-3 (0-6")	Total/NA	Solid	8015B NM	18812
880-10992-4	H-4 (0-6")	Total/NA	Solid	8015B NM	18812
880-10992-5	H-5 (0-6")	Total/NA	Solid	8015B NM	18812
880-10992-6	H-6 (0-6")	Total/NA	Solid	8015B NM	18812
MB 880-18812/1-A	Method Blank	Total/NA	Solid	8015B NM	18812

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 18805 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-18812/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18812
LCSD 880-18812/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18812
880-10991-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	18812
880-10991-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	18812

Prep Batch: 18812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10992-1	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-10992-2	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-10992-3	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-10992-4	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-10992-5	H-5 (0-6")	Total/NA	Solid	8015NM Prep	
880-10992-6	H-6 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-18812/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18812/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18812/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10991-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-10991-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 19008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10992-1	H-1 (0-6")	Total/NA	Solid	8015 NM	
880-10992-2	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-10992-3	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-10992-4	H-4 (0-6")	Total/NA	Solid	8015 NM	
880-10992-5	H-5 (0-6")	Total/NA	Solid	8015 NM	
880-10992-6	H-6 (0-6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 18835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10992-1	H-1 (0-6")	Soluble	Solid	DI Leach	
880-10992-2	H-2 (0-6")	Soluble	Solid	DI Leach	
880-10992-3	H-3 (0-6")	Soluble	Solid	DI Leach	
880-10992-4	H-4 (0-6")	Soluble	Solid	DI Leach	
880-10992-5	H-5 (0-6")	Soluble	Solid	DI Leach	
880-10992-6	H-6 (0-6")	Soluble	Solid	DI Leach	
MB 880-18835/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-18835/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-18835/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-10992-4 MS	H-4 (0-6")	Soluble	Solid	DI Leach	
880-10992-4 MSD	H-4 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 19077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10992-1	H-1 (0-6")	Soluble	Solid	300.0	18835
880-10992-2	H-2 (0-6")	Soluble	Solid	300.0	18835
880-10992-3	H-3 (0-6")	Soluble	Solid	300.0	18835
880-10992-4	H-4 (0-6")	Soluble	Solid	300.0	18835
880-10992-5	H-5 (0-6")	Soluble	Solid	300.0	18835

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 19077 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10992-6	H-6 (0-6")	Soluble	Solid	300.0	18835
MB 880-18835/1-A	Method Blank	Soluble	Solid	300.0	18835
LCS 880-18835/2-A	Lab Control Sample	Soluble	Solid	300.0	18835
LCSD 880-18835/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	18835
880-10992-4 MS	H-4 (0-6")	Soluble	Solid	300.0	18835
880-10992-4 MSD	H-4 (0-6")	Soluble	Solid	300.0	18835

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-10992-1

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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	18814	02/08/22 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18798	02/09/22 01:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19024	02/10/22 10:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/08/22 22:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 18:29	SC	XEN MID

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-10992-2

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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	18814	02/08/22 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18798	02/09/22 02:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19024	02/10/22 10:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/08/22 22:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 08:04	SC	XEN MID

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-10992-3

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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	18814	02/08/22 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18798	02/09/22 02:32	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19024	02/10/22 10:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/08/22 23:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 08:13	SC	XEN MID

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-10992-4

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	18814	02/08/22 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18798	02/09/22 02:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19024	02/10/22 10:09	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-10992-4

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/08/22 23:33	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 08:22	SC	XEN MID

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-10992-5

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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	18814	02/08/22 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18798	02/09/22 03:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19024	02/10/22 10:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/08/22 23:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 08:48	SC	XEN MID

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-10992-6

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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	18814	02/08/22 11:45	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18798	02/09/22 03:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19024	02/10/22 10:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/09/22 00:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 18:38	SC	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	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: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-10992-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-10992-1	H-1 (0-6")	Solid	02/07/22 00:00	02/08/22 10:17
880-10992-2	H-2 (0-6")	Solid	02/07/22 00:00	02/08/22 10:17
880-10992-3	H-3 (0-6")	Solid	02/07/22 00:00	02/08/22 10:17
880-10992-4	H-4 (0-6")	Solid	02/07/22 00:00	02/08/22 10:17
880-10992-5	H-5 (0-6")	Solid	02/07/22 00:00	02/08/22 10:17
880-10992-6	H-6 (0-6")	Solid	02/07/22 00:00	02/08/22 10:17

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WO

880-10992 Chain of Custody



Page 1 of 1

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving, NM 88256
Phone	432-813-6823	Email	jacquiharris@concomphillips.com

Work Order Comments	
Program: UST/PST	PRP Brownfields RRC Superfund
State of Project:	
Reporting Level II	Level III PST/UST TRP Level IV
Deliverables EDD	ADAPT Other

Project Name	Hoofprint Fed Com 1 (01 20 22)	Turn Around	Pras. Code	ANALYSIS REQUEST												Preservative Codes							
Project Number	1006	☐ Routine ☒ Rush	72 Hrs														None NO	DI Water H ₂ O					
Project Location	Eddy Co. NM	Due Date															Cool Cool	MeOH Me					
Sample's Name	CRM	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 ☐	Thermometer ID	148	Parameters								HOLD					
Received Intact	Yes ☒ No ☐	Correction Factor	1.10																				
Cooler Custody Seals	Yes ☒ No ☐	Temperature Reading	1.2																				
Sample Custody Seals	Yes ☒ No ☐	Corrected Temperature	1.3																				
Total Containers																							
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
H-1 (0-6")				2/7/2022		X		G	1	X	X	X											
H-2 (0-6")				2/7/2022		X		G	1	X	X	X											
H-3 (0-6")				2/7/2022		X		G	1	X	X	X											
H-4 (0-6")				2/7/2022		X		G	1	X	X	X											
H-5 (0-6")				2/7/2022		X		G	1	X	X	X											
H-6 (0-6")				2/7/2022		X		G	1	X	X	X											

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Ben Myer</i>	<i>[Signature]</i>	2/8/22 0:17			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-10992-1

SDG Number: Eddy Co, NM

Login Number: 10992

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.	N/A	No time on COC, logged in per container labels.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11400-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Hoofprint Fed Com 1 (01.20.22)

For:

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

Attn: Conner Moehring

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

Authorized for release by:
2/22/2022 3:42:53 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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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: Hoofprint Fed Com 1 (01.20.22)

Laboratory Job ID: 880-11400-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low 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.
□	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: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

Job ID: 880-11400-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-11400-1****Receipt**

The samples were received on 2/17/2022 9:04 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (18") (880-11400-2), T-2 (12") (880-11400-3) and T-2 (18") (880-11400-4). 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 sample was outside control limits: (880-11400-A-1-F MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (12")

Lab Sample ID: 880-11400-1

Date Collected: 02/16/22 00:00

Matrix: Solid

Date Received: 02/17/22 09:04

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		02/17/22 10:40	02/18/22 17:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/17/22 10:40	02/18/22 17:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/17/22 10:40	02/18/22 17:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/17/22 10:40	02/18/22 17:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/17/22 10:40	02/18/22 17:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/17/22 10:40	02/18/22 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	02/17/22 10:40	02/18/22 17:45	1
1,4-Difluorobenzene (Surr)	78		70 - 130	02/17/22 10:40	02/18/22 17:45	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			02/22/22 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.6		50.0		mg/Kg			02/21/22 19:16	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		02/17/22 11:56	02/19/22 13:33	1
Diesel Range Organics (Over C10-C28)	52.6		50.0		mg/Kg		02/17/22 11:56	02/19/22 13:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				02/17/22 11:56	02/19/22 13:33	1
o-Terphenyl	95		70 - 130				02/17/22 11:56	02/19/22 13:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.4		4.99		mg/Kg			02/18/22 04:47	1

Client Sample ID: T-1 (18")

Lab Sample ID: 880-11400-2

Date Collected: 02/16/22 00:00

Matrix: Solid

Date Received: 02/17/22 09:04

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		02/17/22 10:40	02/18/22 18:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/17/22 10:40	02/18/22 18:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/17/22 10:40	02/18/22 18:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/17/22 10:40	02/18/22 18:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/17/22 10:40	02/18/22 18:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/17/22 10:40	02/18/22 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130	02/17/22 10:40	02/18/22 18:12	1
1,4-Difluorobenzene (Surr)	84		70 - 130	02/17/22 10:40	02/18/22 18:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (18")

Lab Sample ID: 880-11400-2

Date Collected: 02/16/22 00:00

Matrix: Solid

Date Received: 02/17/22 09:04

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			02/22/22 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	82.8		50.0		mg/Kg			02/21/22 19:16	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		02/17/22 11:56	02/19/22 14:37	1
Diesel Range Organics (Over C10-C28)	82.8		50.0		mg/Kg		02/17/22 11:56	02/19/22 14:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				02/17/22 11:56	02/19/22 14:37	1
o-Terphenyl	78		70 - 130				02/17/22 11:56	02/19/22 14:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.4		5.04		mg/Kg			02/18/22 04:56	1

Client Sample ID: T-2 (12")

Lab Sample ID: 880-11400-3

Date Collected: 02/16/22 00:00

Matrix: Solid

Date Received: 02/17/22 09:04

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		02/17/22 10:40	02/18/22 18:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 10:40	02/18/22 18:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 10:40	02/18/22 18:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/17/22 10:40	02/18/22 18:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 10:40	02/18/22 18:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/17/22 10:40	02/18/22 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130				02/17/22 10:40	02/18/22 18:40	1
1,4-Difluorobenzene (Surr)	87		70 - 130				02/17/22 10:40	02/18/22 18:40	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			02/22/22 12:09	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			02/21/22 19:16	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		02/17/22 11:56	02/19/22 14:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/17/22 11:56	02/19/22 14:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (12")

Lab Sample ID: 880-11400-3

Date Collected: 02/16/22 00:00

Matrix: Solid

Date Received: 02/17/22 09:04

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		02/17/22 11:56	02/19/22 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				02/17/22 11:56	02/19/22 14:58	1
o-Terphenyl	77		70 - 130				02/17/22 11:56	02/19/22 14:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.68		4.98		mg/Kg			02/18/22 05:05	1

Client Sample ID: T-2 (18")

Lab Sample ID: 880-11400-4

Date Collected: 02/16/22 00:00

Matrix: Solid

Date Received: 02/17/22 09:04

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		02/17/22 10:40	02/18/22 19:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 10:40	02/18/22 19:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 10:40	02/18/22 19:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/17/22 10:40	02/18/22 19:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 10:40	02/18/22 19:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/17/22 10:40	02/18/22 19:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130				02/17/22 10:40	02/18/22 19:08	1
1,4-Difluorobenzene (Surr)	85		70 - 130				02/17/22 10:40	02/18/22 19:08	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			02/22/22 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	22.1		49.9		mg/Kg			02/21/22 19:16	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		02/17/22 11:56	02/19/22 15:20	1
Diesel Range Organics (Over C10-C28)	22.1		49.9		mg/Kg		02/17/22 11:56	02/19/22 15:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/17/22 11:56	02/19/22 15:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				02/17/22 11:56	02/19/22 15:20	1
o-Terphenyl	79		70 - 130				02/17/22 11:56	02/19/22 15:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.8		5.00		mg/Kg			02/18/22 05:32	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-11400-1	T-1 (12")	132 S1+	78
880-11400-1 MS	T-1 (12")	143 S1+	103
880-11400-1 MSD	T-1 (12")	142 S1+	95
880-11400-2	T-1 (18")	165 S1+	84
880-11400-3	T-2 (12")	144 S1+	87
880-11400-4	T-2 (18")	141 S1+	85
LCS 880-19684/1-A	Lab Control Sample	145 S1+	82
LCSD 880-19684/2-A	Lab Control Sample Dup	139 S1+	96
MB 880-19684/5-A	Method Blank	101	78
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-11400-1	T-1 (12")	104	95
880-11400-1 MS	T-1 (12")	76	76
880-11400-1 MSD	T-1 (12")	69 S1-	69 S1-
880-11400-2	T-1 (18")	82	78
880-11400-3	T-2 (12")	79	77
880-11400-4	T-2 (18")	84	79
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-19690/2-A	Lab Control Sample	100	108
LCSD 880-19690/3-A	Lab Control Sample Dup	105	112
MB 880-19690/1-A	Method Blank	88	92
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-19684/5-A

Matrix: Solid

Analysis Batch: 19796

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19684

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 10:40	02/18/22 17:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 10:40	02/18/22 17:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 10:40	02/18/22 17:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/22 10:40	02/18/22 17:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 10:40	02/18/22 17:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/22 10:40	02/18/22 17:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	02/17/22 10:40	02/18/22 17:18	1
1,4-Difluorobenzene (Surr)	78		70 - 130	02/17/22 10:40	02/18/22 17:18	1

Lab Sample ID: LCS 880-19684/1-A

Matrix: Solid

Analysis Batch: 19796

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19684

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09388		mg/Kg		94	70 - 130
Toluene	0.100	0.1004		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1041		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2130		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1141		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-19684/2-A

Matrix: Solid

Analysis Batch: 19796

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19684

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09105		mg/Kg		91	70 - 130	3	35
Toluene	0.100	0.09692		mg/Kg		97	70 - 130	4	35
Ethylbenzene	0.100	0.09879		mg/Kg		99	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2033		mg/Kg		102	70 - 130	5	35
o-Xylene	0.100	0.1053		mg/Kg		105	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-11400-1 MS

Matrix: Solid

Analysis Batch: 19796

Client Sample ID: T-1 (12")

Prep Type: Total/NA

Prep Batch: 19684

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.0990	0.08254		mg/Kg		83	70 - 130
Toluene	<0.00199	U	0.0990	0.08493		mg/Kg		86	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-11400-1 MS

Matrix: Solid

Analysis Batch: 19796

Client Sample ID: T-1 (12")

Prep Type: Total/NA

Prep Batch: 19684

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.0990	0.08108		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1649		mg/Kg		83	70 - 130
o-Xylene	<0.00199	U	0.0990	0.08744		mg/Kg		88	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-11400-1 MSD

Matrix: Solid

Analysis Batch: 19796

Client Sample ID: T-1 (12")

Prep Type: Total/NA

Prep Batch: 19684

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	0.07786		mg/Kg		78	70 - 130	6	35
Toluene	<0.00199	U	0.100	0.08099		mg/Kg		81	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.100	0.07799		mg/Kg		78	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1426		mg/Kg		71	70 - 130	15	35
o-Xylene	<0.00199	U	0.100	0.08017		mg/Kg		80	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-19690/1-A

Matrix: Solid

Analysis Batch: 19863

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19690

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		02/17/22 11:56	02/19/22 12:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 12:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 11:56	02/19/22 12:29	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	02/17/22 11:56	02/19/22 12:29	1
o-Terphenyl	92		70 - 130	02/17/22 11:56	02/19/22 12:29	1

Lab Sample ID: LCS 880-19690/2-A

Matrix: Solid

Analysis Batch: 19863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19690

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	961.8		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	931.0		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-19690/2-A

Matrix: Solid

Analysis Batch: 19863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19690

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: LCSD 880-19690/3-A

Matrix: Solid

Analysis Batch: 19863

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19690

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	972.9		mg/Kg		97	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	918.4		mg/Kg		92	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: 880-11400-1 MS

Matrix: Solid

Analysis Batch: 19863

Client Sample ID: T-1 (12")

Prep Type: Total/NA

Prep Batch: 19690

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	<50.0	U	1000	1155		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)	52.6		1000	1036		mg/Kg		93	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	76		70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: 880-11400-1 MSD

Matrix: Solid

Analysis Batch: 19863

Client Sample ID: T-1 (12")

Prep Type: Total/NA

Prep Batch: 19690

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1159		mg/Kg		115	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	52.6		998	943.7		mg/Kg		84	70 - 130	9	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	69	S1-	70 - 130
o-Terphenyl	69	S1-	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19528/1-A

Matrix: Solid

Analysis Batch: 19688

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			02/18/22 02:35	1

Lab Sample ID: LCS 880-19528/2-A

Matrix: Solid

Analysis Batch: 19688

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	267.5		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-19528/3-A

Matrix: Solid

Analysis Batch: 19688

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	268.1		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-11400-3 MS

Matrix: Solid

Analysis Batch: 19688

Client Sample ID: T-2 (12")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	5.68		249	278.4		mg/Kg		110	90 - 110

Lab Sample ID: 880-11400-3 MSD

Matrix: Solid

Analysis Batch: 19688

Client Sample ID: T-2 (12")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5.68		249	273.0		mg/Kg		107	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 19684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11400-1	T-1 (12")	Total/NA	Solid	5035	
880-11400-2	T-1 (18")	Total/NA	Solid	5035	
880-11400-3	T-2 (12")	Total/NA	Solid	5035	
880-11400-4	T-2 (18")	Total/NA	Solid	5035	
MB 880-19684/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19684/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19684/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11400-1 MS	T-1 (12")	Total/NA	Solid	5035	
880-11400-1 MSD	T-1 (12")	Total/NA	Solid	5035	

Analysis Batch: 19796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11400-1	T-1 (12")	Total/NA	Solid	8021B	19684
880-11400-2	T-1 (18")	Total/NA	Solid	8021B	19684
880-11400-3	T-2 (12")	Total/NA	Solid	8021B	19684
880-11400-4	T-2 (18")	Total/NA	Solid	8021B	19684
MB 880-19684/5-A	Method Blank	Total/NA	Solid	8021B	19684
LCS 880-19684/1-A	Lab Control Sample	Total/NA	Solid	8021B	19684
LCSD 880-19684/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19684
880-11400-1 MS	T-1 (12")	Total/NA	Solid	8021B	19684
880-11400-1 MSD	T-1 (12")	Total/NA	Solid	8021B	19684

Analysis Batch: 20039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11400-1	T-1 (12")	Total/NA	Solid	Total BTEX	
880-11400-2	T-1 (18")	Total/NA	Solid	Total BTEX	
880-11400-3	T-2 (12")	Total/NA	Solid	Total BTEX	
880-11400-4	T-2 (18")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 19690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11400-1	T-1 (12")	Total/NA	Solid	8015NM Prep	
880-11400-2	T-1 (18")	Total/NA	Solid	8015NM Prep	
880-11400-3	T-2 (12")	Total/NA	Solid	8015NM Prep	
880-11400-4	T-2 (18")	Total/NA	Solid	8015NM Prep	
MB 880-19690/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19690/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19690/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11400-1 MS	T-1 (12")	Total/NA	Solid	8015NM Prep	
880-11400-1 MSD	T-1 (12")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 19863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11400-1	T-1 (12")	Total/NA	Solid	8015B NM	19690
880-11400-2	T-1 (18")	Total/NA	Solid	8015B NM	19690
880-11400-3	T-2 (12")	Total/NA	Solid	8015B NM	19690
880-11400-4	T-2 (18")	Total/NA	Solid	8015B NM	19690
MB 880-19690/1-A	Method Blank	Total/NA	Solid	8015B NM	19690
LCS 880-19690/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19690

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 19863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-19690/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19690
880-11400-1 MS	T-1 (12")	Total/NA	Solid	8015B NM	19690
880-11400-1 MSD	T-1 (12")	Total/NA	Solid	8015B NM	19690

Analysis Batch: 19985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11400-1	T-1 (12")	Total/NA	Solid	8015 NM	
880-11400-2	T-1 (18")	Total/NA	Solid	8015 NM	
880-11400-3	T-2 (12")	Total/NA	Solid	8015 NM	
880-11400-4	T-2 (18")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11400-1	T-1 (12")	Soluble	Solid	DI Leach	
880-11400-2	T-1 (18")	Soluble	Solid	DI Leach	
880-11400-3	T-2 (12")	Soluble	Solid	DI Leach	
880-11400-4	T-2 (18")	Soluble	Solid	DI Leach	
MB 880-19528/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19528/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19528/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11400-3 MS	T-2 (12")	Soluble	Solid	DI Leach	
880-11400-3 MSD	T-2 (12")	Soluble	Solid	DI Leach	

Analysis Batch: 19688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11400-1	T-1 (12")	Soluble	Solid	300.0	19528
880-11400-2	T-1 (18")	Soluble	Solid	300.0	19528
880-11400-3	T-2 (12")	Soluble	Solid	300.0	19528
880-11400-4	T-2 (18")	Soluble	Solid	300.0	19528
MB 880-19528/1-A	Method Blank	Soluble	Solid	300.0	19528
LCS 880-19528/2-A	Lab Control Sample	Soluble	Solid	300.0	19528
LCSD 880-19528/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19528
880-11400-3 MS	T-2 (12")	Soluble	Solid	300.0	19528
880-11400-3 MSD	T-2 (12")	Soluble	Solid	300.0	19528

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

Client Sample ID: T-1 (12")

Lab Sample ID: 880-11400-1

Date Collected: 02/16/22 00:00

Matrix: Solid

Date Received: 02/17/22 09:04

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	19684	02/17/22 10:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19796	02/18/22 17:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20039	02/22/22 12:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19985	02/21/22 19:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19690	02/17/22 11:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19863	02/19/22 13:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19528	02/17/22 17:00	SC	XEN MID
Soluble	Analysis	300.0		1			19688	02/18/22 04:47	CH	XEN MID

Client Sample ID: T-1 (18")

Lab Sample ID: 880-11400-2

Date Collected: 02/16/22 00:00

Matrix: Solid

Date Received: 02/17/22 09:04

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	19684	02/17/22 10:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19796	02/18/22 18:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20039	02/22/22 12:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19985	02/21/22 19:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19690	02/17/22 11:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19863	02/19/22 14:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19528	02/17/22 17:00	SC	XEN MID
Soluble	Analysis	300.0		1			19688	02/18/22 04:56	CH	XEN MID

Client Sample ID: T-2 (12")

Lab Sample ID: 880-11400-3

Date Collected: 02/16/22 00:00

Matrix: Solid

Date Received: 02/17/22 09:04

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	19684	02/17/22 10:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19796	02/18/22 18:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20039	02/22/22 12:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19985	02/21/22 19:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19690	02/17/22 11:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19863	02/19/22 14:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19528	02/17/22 17:00	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	19688	02/18/22 05:05	CH	XEN MID

Client Sample ID: T-2 (18")

Lab Sample ID: 880-11400-4

Date Collected: 02/16/22 00:00

Matrix: Solid

Date Received: 02/17/22 09:04

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	19684	02/17/22 10:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19796	02/18/22 19:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20039	02/22/22 12:09	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

Client Sample ID: T-2 (18")
Date Collected: 02/16/22 00:00
Date Received: 02/17/22 09:04

Lab Sample ID: 880-11400-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			19985	02/21/22 19:16	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19690	02/17/22 11:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19863	02/19/22 15:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19528	02/17/22 17:00	SC	XEN MID
Soluble	Analysis	300.0		1			19688	02/18/22 05:32	CH	XEN MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	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: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11400-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11400-1	T-1 (12")	Solid	02/16/22 00:00	02/17/22 09:04
880-11400-2	T-1 (18")	Solid	02/16/22 00:00	02/17/22 09:04
880-11400-3	T-2 (12")	Solid	02/16/22 00:00	02/17/22 09:04
880-11400-4	T-2 (18")	Solid	02/16/22 00:00	02/17/22 09:04

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Work Order No: 11400

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	COG
Address:	310 W Wall St Ste 415	Address:	15 W London Rd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Lawing, NM 86256
Phone:	432-813-6823	Email:	jacquiharris@conocophillips.com

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

Project Name:				Hoofprint Fed Com 1 (01.20.22)		Turn Around		ANALYSIS REQUEST										Preservative Codes					
Project Number:				1006		☐ Routine ☒ Rush												None, NO					
Project Location:				Eddy Co., NM		Due Date:		24hour												Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na			
Sampler's Name:				CRM		TAT starts the day received by the lab, if received by 4:30pm												H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC					
PO #:																							
SAMPLE RECEIPT				Temp Blank:		Yes ☒ No ☐		Wet Ice:		Yes ☒ No ☐												HOLD	
Received Intact:				☒ Yes ☐ No		Thermometer ID:				☒ Yes ☐ No													
Cooler Custody Seals:				Yes ☒ No ☐		N/A		Correction Factor:															
Sample Custody Seals:				Yes ☒ No ☐		N/A		Temperature Reading:		2													
Total Containers:						Corrected Temperature:		2															

[illegible]

Additoinal Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$6 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Mila</i>	<i>[Signature]</i>	2/17/22	2		
3		9:04	4		
5			6		

Revised Date 05/12/2020 Rev. 2020



800-11400 Chain of Custody

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-11400-1

SDG Number: Eddy Co, NM

Login Number: 11400

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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11404-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Hoofprint Fed Com 1 (01.20.22)

For:

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

Attn: Conner Moehring

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

Authorized for release by:
2/21/2022 6:58:14 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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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: Hoofprint Fed Com 1 (01.20.22)

Laboratory Job ID: 880-11404-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Job ID: 880-11404-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-11404-1****Receipt**

The samples were received on 2/17/2022 12:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-19685 and analytical batch 880-19654 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-19685 and analytical batch 880-19654 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: SW-2 (880-11404-11), SW-3 (880-11404-12), SW-7 (880-11404-16) and SW-9 (880-11404-18). 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: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-19727 and analytical batch 880-19777 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-19727/3-A). 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.

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (1')

Lab Sample ID: 880-11404-1

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199		mg/Kg		02/17/22 16:30	02/18/22 02:33	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		02/17/22 16:30	02/18/22 02:33	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		02/17/22 16:30	02/18/22 02:33	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		02/17/22 16:30	02/18/22 02:33	1
o-Xylene	<0.00199	U F2 F1	0.00199		mg/Kg		02/17/22 16:30	02/18/22 02:33	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		02/17/22 16:30	02/18/22 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	02/17/22 16:30	02/18/22 02:33	1
1,4-Difluorobenzene (Surr)	75		70 - 130	02/17/22 16:30	02/18/22 02:33	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			02/18/22 14:45	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			02/18/22 19:38	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		02/17/22 14:25	02/18/22 10:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 10:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 10:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	02/17/22 14:25	02/18/22 10:24	1
o-Terphenyl	94		70 - 130	02/17/22 14:25	02/18/22 10:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U F1	4.98		mg/Kg			02/18/22 10:55	1

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-11404-2

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 03:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 03:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 03:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/22 16:30	02/18/22 03:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 03:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/22 16:30	02/18/22 03:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	02/17/22 16:30	02/18/22 03:01	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/17/22 16:30	02/18/22 03:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-11404-2

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/18/22 14:45	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			02/18/22 19:38	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		02/17/22 14:25	02/18/22 11:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 11:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 11:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				02/17/22 14:25	02/18/22 11:31	1
o-Terphenyl	109		70 - 130				02/17/22 14:25	02/18/22 11:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/18/22 11:22	1

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-11404-3

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 03:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/17/22 16:30	02/18/22 03:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/17/22 16:30	02/18/22 03:30	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/17/22 16:30	02/18/22 03:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/17/22 16:30	02/18/22 03:30	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/17/22 16:30	02/18/22 03:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				02/17/22 16:30	02/18/22 03:30	1
1,4-Difluorobenzene (Surr)	87		70 - 130				02/17/22 16:30	02/18/22 03:30	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			02/18/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.7		49.9		mg/Kg			02/18/22 19:38	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		02/17/22 14:25	02/18/22 11:53	1
Diesel Range Organics (Over C10-C28)	58.7		49.9		mg/Kg		02/17/22 14:25	02/18/22 11:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-11404-3

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 14:25	02/18/22 11:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				02/17/22 14:25	02/18/22 11:53	1
o-Terphenyl	96		70 - 130				02/17/22 14:25	02/18/22 11:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		4.96		mg/Kg			02/18/22 11:31	1

Client Sample ID: CS-4 (1')

Lab Sample ID: 880-11404-4

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 03:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/17/22 16:30	02/18/22 03:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/17/22 16:30	02/18/22 03:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/17/22 16:30	02/18/22 03:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/17/22 16:30	02/18/22 03:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/17/22 16:30	02/18/22 03:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				02/17/22 16:30	02/18/22 03:58	1
1,4-Difluorobenzene (Surr)	94		70 - 130				02/17/22 16:30	02/18/22 03:58	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			02/18/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	232		49.9		mg/Kg			02/18/22 19:38	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		02/17/22 14:25	02/18/22 12:14	1
Diesel Range Organics (Over C10-C28)	232		49.9		mg/Kg		02/17/22 14:25	02/18/22 12:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/17/22 14:25	02/18/22 12:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				02/17/22 14:25	02/18/22 12:14	1
o-Terphenyl	100		70 - 130				02/17/22 14:25	02/18/22 12:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.9		5.01		mg/Kg			02/18/22 11:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: CS-5 (1')

Lab Sample ID: 880-11404-5

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 04:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 04:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 04:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/22 16:30	02/18/22 04:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 04:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/22 16:30	02/18/22 04:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	02/17/22 16:30	02/18/22 04:27	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/17/22 16:30	02/18/22 04:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/18/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	211		50.0		mg/Kg			02/18/22 19:38	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		02/17/22 14:25	02/18/22 12:35	1
Diesel Range Organics (Over C10-C28)	211		50.0		mg/Kg		02/17/22 14:25	02/18/22 12:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				02/17/22 14:25	02/18/22 12:35	1
o-Terphenyl	100		70 - 130				02/17/22 14:25	02/18/22 12:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		4.98		mg/Kg			02/18/22 11:48	1

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-11404-6

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 04:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/17/22 16:30	02/18/22 04:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/17/22 16:30	02/18/22 04:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/17/22 16:30	02/18/22 04:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/17/22 16:30	02/18/22 04:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/17/22 16:30	02/18/22 04:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	02/17/22 16:30	02/18/22 04:55	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/17/22 16:30	02/18/22 04:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-11404-6

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/22 14:45	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			02/18/22 19:38	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		02/17/22 14:25	02/18/22 12:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 12:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				02/17/22 14:25	02/18/22 12:56	1
o-Terphenyl	104		70 - 130				02/17/22 14:25	02/18/22 12:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/18/22 12:15	1

Client Sample ID: CS-7 (0-5')

Lab Sample ID: 880-11404-7

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 05:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/17/22 16:30	02/18/22 05:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/17/22 16:30	02/18/22 05:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/17/22 16:30	02/18/22 05:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/17/22 16:30	02/18/22 05:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/17/22 16:30	02/18/22 05:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				02/17/22 16:30	02/18/22 05:24	1
1,4-Difluorobenzene (Surr)	84		70 - 130				02/17/22 16:30	02/18/22 05:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/22 14:45	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			02/18/22 19:38	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		02/17/22 14:25	02/18/22 13:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/17/22 14:25	02/18/22 13:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: CS-7 (0-5')

Lab Sample ID: 880-11404-7

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 14:25	02/18/22 13:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				02/17/22 14:25	02/18/22 13:16	1
o-Terphenyl	94		70 - 130				02/17/22 14:25	02/18/22 13:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			02/18/22 12:24	1

Client Sample ID: CS-8 (0-5')

Lab Sample ID: 880-11404-8

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 05:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/17/22 16:30	02/18/22 05:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/17/22 16:30	02/18/22 05:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/17/22 16:30	02/18/22 05:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/17/22 16:30	02/18/22 05:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/17/22 16:30	02/18/22 05:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				02/17/22 16:30	02/18/22 05:52	1
1,4-Difluorobenzene (Surr)	88		70 - 130				02/17/22 16:30	02/18/22 05:52	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			02/18/22 14:45	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			02/18/22 19:38	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		02/17/22 14:25	02/18/22 13:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 13:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				02/17/22 14:25	02/18/22 13:37	1
o-Terphenyl	106		70 - 130				02/17/22 14:25	02/18/22 13:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			02/18/22 12:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: CS-9 (0-5')

Lab Sample ID: 880-11404-9

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 06:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/17/22 16:30	02/18/22 06:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/17/22 16:30	02/18/22 06:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/17/22 16:30	02/18/22 06:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/17/22 16:30	02/18/22 06:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/17/22 16:30	02/18/22 06:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	02/17/22 16:30	02/18/22 06:21	1
1,4-Difluorobenzene (Surr)	72		70 - 130	02/17/22 16:30	02/18/22 06:21	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			02/18/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	112		50.0		mg/Kg			02/18/22 19:38	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		02/17/22 14:25	02/18/22 13:58	1
Diesel Range Organics (Over C10-C28)	112		50.0		mg/Kg		02/17/22 14:25	02/18/22 13:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	02/17/22 14:25	02/18/22 13:58	1
o-Terphenyl	109		70 - 130	02/17/22 14:25	02/18/22 13:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.5		4.98		mg/Kg			02/18/22 12:42	1

Client Sample ID: SW-1

Lab Sample ID: 880-11404-10

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 06:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/17/22 16:30	02/18/22 06:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/17/22 16:30	02/18/22 06:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/17/22 16:30	02/18/22 06:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/17/22 16:30	02/18/22 06:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/17/22 16:30	02/18/22 06:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	02/17/22 16:30	02/18/22 06:50	1
1,4-Difluorobenzene (Surr)	114		70 - 130	02/17/22 16:30	02/18/22 06:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: SW-1

Lab Sample ID: 880-11404-10

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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			02/18/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	167		50.0		mg/Kg			02/18/22 19:38	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		02/17/22 14:25	02/18/22 14:18	1
Diesel Range Organics (Over C10-C28)	167		50.0		mg/Kg		02/17/22 14:25	02/18/22 14:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 14:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				02/17/22 14:25	02/18/22 14:18	1
o-Terphenyl	101		70 - 130				02/17/22 14:25	02/18/22 14:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		5.00		mg/Kg			02/18/22 12:50	1

Client Sample ID: SW-2

Lab Sample ID: 880-11404-11

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 08:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 08:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 08:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/17/22 16:30	02/18/22 08:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 08:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/17/22 16:30	02/18/22 08:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				02/17/22 16:30	02/18/22 08:52	1
1,4-Difluorobenzene (Surr)	81		70 - 130				02/17/22 16:30	02/18/22 08:52	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			02/18/22 14:45	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			02/18/22 19:38	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		02/17/22 14:25	02/18/22 14:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/17/22 14:25	02/18/22 14:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: SW-2

Lab Sample ID: 880-11404-11

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 14:25	02/18/22 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				02/17/22 14:25	02/18/22 14:59	1
o-Terphenyl	99		70 - 130				02/17/22 14:25	02/18/22 14:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U F1	4.95		mg/Kg			02/18/22 12:59	1

Client Sample ID: SW-3

Lab Sample ID: 880-11404-12

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 09:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 09:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 09:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/22 16:30	02/18/22 09:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 09:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/22 16:30	02/18/22 09:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130				02/17/22 16:30	02/18/22 09:20	1
1,4-Difluorobenzene (Surr)	81		70 - 130				02/17/22 16:30	02/18/22 09:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/18/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	165		50.0		mg/Kg			02/18/22 19:38	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		02/17/22 14:25	02/18/22 15:20	1
Diesel Range Organics (Over C10-C28)	165		50.0		mg/Kg		02/17/22 14:25	02/18/22 15:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 15:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				02/17/22 14:25	02/18/22 15:20	1
o-Terphenyl	112		70 - 130				02/17/22 14:25	02/18/22 15:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.6		5.01		mg/Kg			02/18/22 13:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: SW-4

Lab Sample ID: 880-11404-13

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 09:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/17/22 16:30	02/18/22 09:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/17/22 16:30	02/18/22 09:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/17/22 16:30	02/18/22 09:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/17/22 16:30	02/18/22 09:47	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/17/22 16:30	02/18/22 09:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	02/17/22 16:30	02/18/22 09:47	1
1,4-Difluorobenzene (Surr)	90		70 - 130	02/17/22 16:30	02/18/22 09:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	131		50.0		mg/Kg			02/18/22 19:38	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		02/17/22 14:25	02/18/22 15:40	1
Diesel Range Organics (Over C10-C28)	131		50.0		mg/Kg		02/17/22 14:25	02/18/22 15:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				02/17/22 14:25	02/18/22 15:40	1
o-Terphenyl	103		70 - 130				02/17/22 14:25	02/18/22 15:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.3		5.00		mg/Kg			02/18/22 18:21	1

Client Sample ID: SW-5

Lab Sample ID: 880-11404-14

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 10:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 10:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 10:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/17/22 16:30	02/18/22 10:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 10:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/17/22 16:30	02/18/22 10:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	02/17/22 16:30	02/18/22 10:15	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/17/22 16:30	02/18/22 10:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: SW-5

Lab Sample ID: 880-11404-14

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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			02/18/22 14:45	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			02/18/22 19:38	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		02/17/22 14:25	02/18/22 16:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 16:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				02/17/22 14:25	02/18/22 16:01	1
o-Terphenyl	96		70 - 130				02/17/22 14:25	02/18/22 16:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.5		4.99		mg/Kg			02/18/22 18:40	1

Client Sample ID: SW-6

Lab Sample ID: 880-11404-15

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 10:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/17/22 16:30	02/18/22 10:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/17/22 16:30	02/18/22 10:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/17/22 16:30	02/18/22 10:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/17/22 16:30	02/18/22 10:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/17/22 16:30	02/18/22 10:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				02/17/22 16:30	02/18/22 10:42	1
1,4-Difluorobenzene (Surr)	76		70 - 130				02/17/22 16:30	02/18/22 10:42	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			02/18/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	192		49.9		mg/Kg			02/18/22 19:38	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		02/17/22 14:25	02/18/22 16:21	1
Diesel Range Organics (Over C10-C28)	192		49.9		mg/Kg		02/17/22 14:25	02/18/22 16:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: SW-6

Lab Sample ID: 880-11404-15

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 14:25	02/18/22 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				02/17/22 14:25	02/18/22 16:21	1
o-Terphenyl	91		70 - 130				02/17/22 14:25	02/18/22 16:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.5		4.98		mg/Kg			02/18/22 18:46	1

Client Sample ID: SW-7

Lab Sample ID: 880-11404-16

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 11:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/17/22 16:30	02/18/22 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 11:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/17/22 16:30	02/18/22 11:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130				02/17/22 16:30	02/18/22 11:26	1
1,4-Difluorobenzene (Surr)	79		70 - 130				02/17/22 16:30	02/18/22 11:26	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			02/18/22 14:45	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			02/18/22 19:38	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		02/17/22 14:25	02/18/22 16:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/17/22 14:25	02/18/22 16:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/17/22 14:25	02/18/22 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				02/17/22 14:25	02/18/22 16:42	1
o-Terphenyl	99		70 - 130				02/17/22 14:25	02/18/22 16:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.18		4.95		mg/Kg			02/18/22 18:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: SW-8

Lab Sample ID: 880-11404-17

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 11:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/17/22 16:30	02/18/22 11:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/17/22 16:30	02/18/22 11:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/17/22 16:30	02/18/22 11:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/17/22 16:30	02/18/22 11:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/17/22 16:30	02/18/22 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	02/17/22 16:30	02/18/22 11:53	1
1,4-Difluorobenzene (Surr)	83		70 - 130	02/17/22 16:30	02/18/22 11:53	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			02/18/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	173		49.9		mg/Kg			02/18/22 19:38	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		02/17/22 14:25	02/18/22 17:02	1
Diesel Range Organics (Over C10-C28)	173		49.9		mg/Kg		02/17/22 14:25	02/18/22 17:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/17/22 14:25	02/18/22 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				02/17/22 14:25	02/18/22 17:02	1
o-Terphenyl	102		70 - 130				02/17/22 14:25	02/18/22 17:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		5.01		mg/Kg			02/18/22 18:59	1

Client Sample ID: SW-9

Lab Sample ID: 880-11404-18

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 12:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/17/22 16:30	02/18/22 12:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/17/22 16:30	02/18/22 12:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/17/22 16:30	02/18/22 12:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/17/22 16:30	02/18/22 12:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/17/22 16:30	02/18/22 12:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	02/17/22 16:30	02/18/22 12:20	1
1,4-Difluorobenzene (Surr)	92		70 - 130	02/17/22 16:30	02/18/22 12:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: SW-9

Lab Sample ID: 880-11404-18

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.6		50.0		mg/Kg			02/18/22 19:38	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		02/17/22 14:25	02/18/22 17:24	1
Diesel Range Organics (Over C10-C28)	55.6		50.0		mg/Kg		02/17/22 14:25	02/18/22 17:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 17:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				02/17/22 14:25	02/18/22 17:24	1
o-Terphenyl	87		70 - 130				02/17/22 14:25	02/18/22 17:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		4.98		mg/Kg			02/18/22 19:18	1

Client Sample ID: SW-10

Lab Sample ID: 880-11404-19

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 16:30	02/18/22 12:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/17/22 16:30	02/18/22 12:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/17/22 16:30	02/18/22 12:47	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/17/22 16:30	02/18/22 12:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/17/22 16:30	02/18/22 12:47	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/17/22 16:30	02/18/22 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				02/17/22 16:30	02/18/22 12:47	1
1,4-Difluorobenzene (Surr)	89		70 - 130				02/17/22 16:30	02/18/22 12:47	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			02/18/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.1		50.0		mg/Kg			02/18/22 19:38	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		02/17/22 14:25	02/18/22 17:45	1
Diesel Range Organics (Over C10-C28)	54.1		50.0		mg/Kg		02/17/22 14:25	02/18/22 17:45	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: SW-10

Lab Sample ID: 880-11404-19

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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		02/17/22 14:25	02/18/22 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	02/17/22 14:25	02/18/22 17:45	1
o-Terphenyl	96		70 - 130	02/17/22 14:25	02/18/22 17:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.95		4.95		mg/Kg			02/18/22 19:24	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-11404-1	CS-1 (1')	127	75				
880-11404-1 MS	CS-1 (1')	95	105				
880-11404-1 MSD	CS-1 (1')	11 S1-	153 S1+				
880-11404-2	CS-2 (1')	87	98				
880-11404-3	CS-3 (1')	122	87				
880-11404-4	CS-4 (1')	82	94				
880-11404-5	CS-5 (1')	127	91				
880-11404-6	CS-6 (1')	112	103				
880-11404-7	CS-7 (0-5')	127	84				
880-11404-8	CS-8 (0-5')	137 S1+	88				
880-11404-9	CS-9 (0-5')	108	72				
880-11404-10	SW-1	67 S1-	114				
880-11404-11	SW-2	137 S1+	81				
880-11404-12	SW-3	149 S1+	81				
880-11404-13	SW-4	128	90				
880-11404-14	SW-5	130	105				
880-11404-15	SW-6	122	76				
880-11404-16	SW-7	146 S1+	79				
880-11404-17	SW-8	116	83				
880-11404-18	SW-9	140 S1+	92				
880-11404-19	SW-10	131 S1+	89				
LCS 880-19685/1-A	Lab Control Sample	125	80				
LCSD 880-19685/2-A	Lab Control Sample Dup	119	92				
MB 880-19557/5-A	Method Blank	99	79				
MB 880-19685/5-A	Method Blank	97	78				

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-11404-1	CS-1 (1')	90	94				
880-11404-1 MS	CS-1 (1')	78	75				
880-11404-1 MSD	CS-1 (1')	86	84				
880-11404-2	CS-2 (1')	99	109				
880-11404-3	CS-3 (1')	92	96				
880-11404-4	CS-4 (1')	95	100				
880-11404-5	CS-5 (1')	95	100				
880-11404-6	CS-6 (1')	95	104				
880-11404-7	CS-7 (0-5')	88	94				
880-11404-8	CS-8 (0-5')	97	106				
880-11404-9	CS-9 (0-5')	104	109				
880-11404-10	SW-1	96	101				
880-11404-11	SW-2	94	99				
880-11404-12	SW-3	104	112				

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-11404-1

Project/Site: Hoofprint Fed Com 1 (01.20.22)

SDG: Eddy Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-11404-13	SW-4	99	103
880-11404-14	SW-5	89	96
880-11404-15	SW-6	85	91
880-11404-16	SW-7	92	99
880-11404-17	SW-8	96	102
880-11404-18	SW-9	82	87
880-11404-19	SW-10	90	96
LCS 880-19727/2-A	Lab Control Sample	105	120
LCSD 880-19727/3-A	Lab Control Sample Dup	119	132 S1+
MB 880-19727/1-A	Method Blank	89	102

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-19557/5-A

Matrix: Solid

Analysis Batch: 19654

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19557

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 08:00	02/17/22 11:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 08:00	02/17/22 11:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 08:00	02/17/22 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/22 08:00	02/17/22 11:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 08:00	02/17/22 11:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/22 08:00	02/17/22 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/17/22 08:00	02/17/22 11:55	1
1,4-Difluorobenzene (Surr)	79		70 - 130	02/17/22 08:00	02/17/22 11:55	1

Lab Sample ID: MB 880-19685/5-A

Matrix: Solid

Analysis Batch: 19654

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19685

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 02:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 02:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 02:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/22 16:30	02/18/22 02:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 16:30	02/18/22 02:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/22 16:30	02/18/22 02:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/17/22 16:30	02/18/22 02:04	1
1,4-Difluorobenzene (Surr)	78		70 - 130	02/17/22 16:30	02/18/22 02:04	1

Lab Sample ID: LCS 880-19685/1-A

Matrix: Solid

Analysis Batch: 19654

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19685

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09081		mg/Kg		91	70 - 130
Toluene	0.100	0.08548		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.08723		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1834		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09697		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	125		70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Lab Sample ID: LCSD 880-19685/2-A

Matrix: Solid

Analysis Batch: 19654

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19685

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09036		mg/Kg		90	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-19685/2-A

Matrix: Solid

Analysis Batch: 19654

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19685

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.08403		mg/Kg		84	70 - 130	2	35
Ethylbenzene	0.100	0.08480		mg/Kg		85	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1776		mg/Kg		89	70 - 130	3	35
o-Xylene	0.100	0.09377		mg/Kg		94	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-11404-1 MS

Matrix: Solid

Analysis Batch: 19654

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 19685

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F2 F1	0.0996	0.03769	F1	mg/Kg		38	70 - 130
Toluene	<0.00199	U F2 F1	0.0996	0.02836	F1	mg/Kg		28	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0996	0.02652	F1	mg/Kg		27	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.05823	F1	mg/Kg		29	70 - 130
o-Xylene	<0.00199	U F2 F1	0.0996	0.03082	F1	mg/Kg		31	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-11404-1 MSD

Matrix: Solid

Analysis Batch: 19654

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 19685

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.100	0.05457	F2 F1	mg/Kg		55	70 - 130	37	35
Toluene	<0.00199	U F2 F1	0.100	0.1205	F2	mg/Kg		120	70 - 130	124	35
Ethylbenzene	<0.00199	U F2 F1	0.100	0.01795	F2 F1	mg/Kg		18	70 - 130	39	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.06818	F1	mg/Kg		34	70 - 130	16	35
o-Xylene	<0.00199	U F2 F1	0.100	0.1365	F1 F2	mg/Kg		136	70 - 130	126	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	11	S1-	70 - 130
1,4-Difluorobenzene (Surr)	153	S1+	70 - 130

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

Lab Sample ID: MB 880-19727/1-A

Matrix: Solid

Analysis Batch: 19777

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19727

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		02/17/22 14:25	02/18/22 09:18	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-19727/1-A

Matrix: Solid

Analysis Batch: 19777

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 09:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 14:25	02/18/22 09:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				02/17/22 14:25	02/18/22 09:18	1
o-Terphenyl	102		70 - 130				02/17/22 14:25	02/18/22 09:18	1

Lab Sample ID: LCS 880-19727/2-A

Matrix: Solid

Analysis Batch: 19777

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	854.1		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1072		mg/Kg		107	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	105		70 - 130				
o-Terphenyl	120		70 - 130				

Lab Sample ID: LCSD 880-19727/3-A

Matrix: Solid

Analysis Batch: 19777

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19727

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1108	*1	mg/Kg		111	70 - 130	26	20
Diesel Range Organics (Over C10-C28)	1000	1132		mg/Kg		113	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	119		70 - 130						
o-Terphenyl	132	S1+	70 - 130						

Lab Sample ID: 880-11404-1 MS

Matrix: Solid

Analysis Batch: 19777

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 19727

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	1000	930.7		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1008		mg/Kg		101	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	78		70 - 130						
o-Terphenyl	75		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-11404-1 MSD

Matrix: Solid

Analysis Batch: 19777

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 19727

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	998	1056		mg/Kg		104	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1127		mg/Kg		113	70 - 130	11	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	84		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19773/1-A

Matrix: Solid

Analysis Batch: 19832

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			02/18/22 10:04	1

Lab Sample ID: LCS 880-19773/2-A

Matrix: Solid

Analysis Batch: 19832

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	269.7		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-19773/3-A

Matrix: Solid

Analysis Batch: 19832

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	270.7		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-11404-1 MS

Matrix: Solid

Analysis Batch: 19832

Client Sample ID: CS-1 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<4.98	U F1	249	302.8	F1	mg/Kg		121	90 - 110

Lab Sample ID: 880-11404-1 MSD

Matrix: Solid

Analysis Batch: 19832

Client Sample ID: CS-1 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.98	U F1	249	280.9	F1	mg/Kg		112	90 - 110	8	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-11404-11 MS

Matrix: Solid

Analysis Batch: 19832

Client Sample ID: SW-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<4.95	U F1	248	292.6	F1	mg/Kg		117	90 - 110

Lab Sample ID: 880-11404-11 MSD

Matrix: Solid

Analysis Batch: 19832

Client Sample ID: SW-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.95	U F1	248	284.4	F1	mg/Kg		114	90 - 110	3	20

Lab Sample ID: MB 880-19766/1-A

Matrix: Solid

Analysis Batch: 19837

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			02/18/22 17:26	1

Lab Sample ID: LCS 880-19766/2-A

Matrix: Solid

Analysis Batch: 19837

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	262.1		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-19766/3-A

Matrix: Solid

Analysis Batch: 19837

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	266.7		mg/Kg		107	90 - 110	2	20

Lab Sample ID: 880-11404-13 MS

Matrix: Solid

Analysis Batch: 19837

Client Sample ID: SW-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.3		250	277.1		mg/Kg		101	90 - 110

Lab Sample ID: 880-11404-13 MSD

Matrix: Solid

Analysis Batch: 19837

Client Sample ID: SW-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	25.3		250	289.8		mg/Kg		106	90 - 110	4	20

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QC Association Summary

Client: Carmona Resources

Job ID: 880-11404-1

Project/Site: Hoofprint Fed Com 1 (01.20.22)

SDG: Eddy Co, NM

GC VOA

Prep Batch: 19557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-19557/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 19654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11404-1	CS-1 (1')	Total/NA	Solid	8021B	19685
880-11404-2	CS-2 (1')	Total/NA	Solid	8021B	19685
880-11404-3	CS-3 (1')	Total/NA	Solid	8021B	19685
880-11404-4	CS-4 (1')	Total/NA	Solid	8021B	19685
880-11404-5	CS-5 (1')	Total/NA	Solid	8021B	19685
880-11404-6	CS-6 (1')	Total/NA	Solid	8021B	19685
880-11404-7	CS-7 (0-5')	Total/NA	Solid	8021B	19685
880-11404-8	CS-8 (0-5')	Total/NA	Solid	8021B	19685
880-11404-9	CS-9 (0-5')	Total/NA	Solid	8021B	19685
880-11404-10	SW-1	Total/NA	Solid	8021B	19685
880-11404-11	SW-2	Total/NA	Solid	8021B	19685
880-11404-12	SW-3	Total/NA	Solid	8021B	19685
880-11404-13	SW-4	Total/NA	Solid	8021B	19685
880-11404-14	SW-5	Total/NA	Solid	8021B	19685
880-11404-15	SW-6	Total/NA	Solid	8021B	19685
880-11404-16	SW-7	Total/NA	Solid	8021B	19685
880-11404-17	SW-8	Total/NA	Solid	8021B	19685
880-11404-18	SW-9	Total/NA	Solid	8021B	19685
880-11404-19	SW-10	Total/NA	Solid	8021B	19685
MB 880-19557/5-A	Method Blank	Total/NA	Solid	8021B	19557
MB 880-19685/5-A	Method Blank	Total/NA	Solid	8021B	19685
LCS 880-19685/1-A	Lab Control Sample	Total/NA	Solid	8021B	19685
LCSD 880-19685/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19685
880-11404-1 MS	CS-1 (1')	Total/NA	Solid	8021B	19685
880-11404-1 MSD	CS-1 (1')	Total/NA	Solid	8021B	19685

Prep Batch: 19685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11404-1	CS-1 (1')	Total/NA	Solid	5035	
880-11404-2	CS-2 (1')	Total/NA	Solid	5035	
880-11404-3	CS-3 (1')	Total/NA	Solid	5035	
880-11404-4	CS-4 (1')	Total/NA	Solid	5035	
880-11404-5	CS-5 (1')	Total/NA	Solid	5035	
880-11404-6	CS-6 (1')	Total/NA	Solid	5035	
880-11404-7	CS-7 (0-5')	Total/NA	Solid	5035	
880-11404-8	CS-8 (0-5')	Total/NA	Solid	5035	
880-11404-9	CS-9 (0-5')	Total/NA	Solid	5035	
880-11404-10	SW-1	Total/NA	Solid	5035	
880-11404-11	SW-2	Total/NA	Solid	5035	
880-11404-12	SW-3	Total/NA	Solid	5035	
880-11404-13	SW-4	Total/NA	Solid	5035	
880-11404-14	SW-5	Total/NA	Solid	5035	
880-11404-15	SW-6	Total/NA	Solid	5035	
880-11404-16	SW-7	Total/NA	Solid	5035	
880-11404-17	SW-8	Total/NA	Solid	5035	
880-11404-18	SW-9	Total/NA	Solid	5035	
880-11404-19	SW-10	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 19685 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-19685/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19685/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19685/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11404-1 MS	CS-1 (1')	Total/NA	Solid	5035	
880-11404-1 MSD	CS-1 (1')	Total/NA	Solid	5035	

Analysis Batch: 19830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11404-1	CS-1 (1')	Total/NA	Solid	Total BTEX	
880-11404-2	CS-2 (1')	Total/NA	Solid	Total BTEX	
880-11404-3	CS-3 (1')	Total/NA	Solid	Total BTEX	
880-11404-4	CS-4 (1')	Total/NA	Solid	Total BTEX	
880-11404-5	CS-5 (1')	Total/NA	Solid	Total BTEX	
880-11404-6	CS-6 (1')	Total/NA	Solid	Total BTEX	
880-11404-7	CS-7 (0-5')	Total/NA	Solid	Total BTEX	
880-11404-8	CS-8 (0-5')	Total/NA	Solid	Total BTEX	
880-11404-9	CS-9 (0-5')	Total/NA	Solid	Total BTEX	
880-11404-10	SW-1	Total/NA	Solid	Total BTEX	
880-11404-11	SW-2	Total/NA	Solid	Total BTEX	
880-11404-12	SW-3	Total/NA	Solid	Total BTEX	
880-11404-13	SW-4	Total/NA	Solid	Total BTEX	
880-11404-14	SW-5	Total/NA	Solid	Total BTEX	
880-11404-15	SW-6	Total/NA	Solid	Total BTEX	
880-11404-16	SW-7	Total/NA	Solid	Total BTEX	
880-11404-17	SW-8	Total/NA	Solid	Total BTEX	
880-11404-18	SW-9	Total/NA	Solid	Total BTEX	
880-11404-19	SW-10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 19727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11404-1	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-11404-2	CS-2 (1')	Total/NA	Solid	8015NM Prep	
880-11404-3	CS-3 (1')	Total/NA	Solid	8015NM Prep	
880-11404-4	CS-4 (1')	Total/NA	Solid	8015NM Prep	
880-11404-5	CS-5 (1')	Total/NA	Solid	8015NM Prep	
880-11404-6	CS-6 (1')	Total/NA	Solid	8015NM Prep	
880-11404-7	CS-7 (0-5')	Total/NA	Solid	8015NM Prep	
880-11404-8	CS-8 (0-5')	Total/NA	Solid	8015NM Prep	
880-11404-9	CS-9 (0-5')	Total/NA	Solid	8015NM Prep	
880-11404-10	SW-1	Total/NA	Solid	8015NM Prep	
880-11404-11	SW-2	Total/NA	Solid	8015NM Prep	
880-11404-12	SW-3	Total/NA	Solid	8015NM Prep	
880-11404-13	SW-4	Total/NA	Solid	8015NM Prep	
880-11404-14	SW-5	Total/NA	Solid	8015NM Prep	
880-11404-15	SW-6	Total/NA	Solid	8015NM Prep	
880-11404-16	SW-7	Total/NA	Solid	8015NM Prep	
880-11404-17	SW-8	Total/NA	Solid	8015NM Prep	
880-11404-18	SW-9	Total/NA	Solid	8015NM Prep	
880-11404-19	SW-10	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources

Job ID: 880-11404-1

Project/Site: Hoofprint Fed Com 1 (01.20.22)

SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 19727 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-19727/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19727/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19727/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11404-1 MS	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-11404-1 MSD	CS-1 (1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 19777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11404-1	CS-1 (1')	Total/NA	Solid	8015B NM	19727
880-11404-2	CS-2 (1')	Total/NA	Solid	8015B NM	19727
880-11404-3	CS-3 (1')	Total/NA	Solid	8015B NM	19727
880-11404-4	CS-4 (1')	Total/NA	Solid	8015B NM	19727
880-11404-5	CS-5 (1')	Total/NA	Solid	8015B NM	19727
880-11404-6	CS-6 (1')	Total/NA	Solid	8015B NM	19727
880-11404-7	CS-7 (0-5')	Total/NA	Solid	8015B NM	19727
880-11404-8	CS-8 (0-5')	Total/NA	Solid	8015B NM	19727
880-11404-9	CS-9 (0-5')	Total/NA	Solid	8015B NM	19727
880-11404-10	SW-1	Total/NA	Solid	8015B NM	19727
880-11404-11	SW-2	Total/NA	Solid	8015B NM	19727
880-11404-12	SW-3	Total/NA	Solid	8015B NM	19727
880-11404-13	SW-4	Total/NA	Solid	8015B NM	19727
880-11404-14	SW-5	Total/NA	Solid	8015B NM	19727
880-11404-15	SW-6	Total/NA	Solid	8015B NM	19727
880-11404-16	SW-7	Total/NA	Solid	8015B NM	19727
880-11404-17	SW-8	Total/NA	Solid	8015B NM	19727
880-11404-18	SW-9	Total/NA	Solid	8015B NM	19727
880-11404-19	SW-10	Total/NA	Solid	8015B NM	19727
MB 880-19727/1-A	Method Blank	Total/NA	Solid	8015B NM	19727
LCS 880-19727/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19727
LCSD 880-19727/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19727
880-11404-1 MS	CS-1 (1')	Total/NA	Solid	8015B NM	19727
880-11404-1 MSD	CS-1 (1')	Total/NA	Solid	8015B NM	19727

Analysis Batch: 19853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11404-1	CS-1 (1')	Total/NA	Solid	8015 NM	
880-11404-2	CS-2 (1')	Total/NA	Solid	8015 NM	
880-11404-3	CS-3 (1')	Total/NA	Solid	8015 NM	
880-11404-4	CS-4 (1')	Total/NA	Solid	8015 NM	
880-11404-5	CS-5 (1')	Total/NA	Solid	8015 NM	
880-11404-6	CS-6 (1')	Total/NA	Solid	8015 NM	
880-11404-7	CS-7 (0-5')	Total/NA	Solid	8015 NM	
880-11404-8	CS-8 (0-5')	Total/NA	Solid	8015 NM	
880-11404-9	CS-9 (0-5')	Total/NA	Solid	8015 NM	
880-11404-10	SW-1	Total/NA	Solid	8015 NM	
880-11404-11	SW-2	Total/NA	Solid	8015 NM	
880-11404-12	SW-3	Total/NA	Solid	8015 NM	
880-11404-13	SW-4	Total/NA	Solid	8015 NM	
880-11404-14	SW-5	Total/NA	Solid	8015 NM	
880-11404-15	SW-6	Total/NA	Solid	8015 NM	
880-11404-16	SW-7	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 19853 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11404-17	SW-8	Total/NA	Solid	8015 NM	
880-11404-18	SW-9	Total/NA	Solid	8015 NM	
880-11404-19	SW-10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11404-13	SW-4	Soluble	Solid	DI Leach	
880-11404-14	SW-5	Soluble	Solid	DI Leach	
880-11404-15	SW-6	Soluble	Solid	DI Leach	
880-11404-16	SW-7	Soluble	Solid	DI Leach	
880-11404-17	SW-8	Soluble	Solid	DI Leach	
880-11404-18	SW-9	Soluble	Solid	DI Leach	
880-11404-19	SW-10	Soluble	Solid	DI Leach	
MB 880-19766/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19766/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19766/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11404-13 MS	SW-4	Soluble	Solid	DI Leach	
880-11404-13 MSD	SW-4	Soluble	Solid	DI Leach	

Leach Batch: 19773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11404-1	CS-1 (1')	Soluble	Solid	DI Leach	
880-11404-2	CS-2 (1')	Soluble	Solid	DI Leach	
880-11404-3	CS-3 (1')	Soluble	Solid	DI Leach	
880-11404-4	CS-4 (1')	Soluble	Solid	DI Leach	
880-11404-5	CS-5 (1')	Soluble	Solid	DI Leach	
880-11404-6	CS-6 (1')	Soluble	Solid	DI Leach	
880-11404-7	CS-7 (0-5')	Soluble	Solid	DI Leach	
880-11404-8	CS-8 (0-5')	Soluble	Solid	DI Leach	
880-11404-9	CS-9 (0-5')	Soluble	Solid	DI Leach	
880-11404-10	SW-1	Soluble	Solid	DI Leach	
880-11404-11	SW-2	Soluble	Solid	DI Leach	
880-11404-12	SW-3	Soluble	Solid	DI Leach	
MB 880-19773/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19773/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19773/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11404-1 MS	CS-1 (1')	Soluble	Solid	DI Leach	
880-11404-1 MSD	CS-1 (1')	Soluble	Solid	DI Leach	
880-11404-11 MS	SW-2	Soluble	Solid	DI Leach	
880-11404-11 MSD	SW-2	Soluble	Solid	DI Leach	

Analysis Batch: 19832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11404-1	CS-1 (1')	Soluble	Solid	300.0	19773
880-11404-2	CS-2 (1')	Soluble	Solid	300.0	19773
880-11404-3	CS-3 (1')	Soluble	Solid	300.0	19773
880-11404-4	CS-4 (1')	Soluble	Solid	300.0	19773
880-11404-5	CS-5 (1')	Soluble	Solid	300.0	19773
880-11404-6	CS-6 (1')	Soluble	Solid	300.0	19773

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 19832 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11404-7	CS-7 (0-5')	Soluble	Solid	300.0	19773
880-11404-8	CS-8 (0-5')	Soluble	Solid	300.0	19773
880-11404-9	CS-9 (0-5')	Soluble	Solid	300.0	19773
880-11404-10	SW-1	Soluble	Solid	300.0	19773
880-11404-11	SW-2	Soluble	Solid	300.0	19773
880-11404-12	SW-3	Soluble	Solid	300.0	19773
MB 880-19773/1-A	Method Blank	Soluble	Solid	300.0	19773
LCS 880-19773/2-A	Lab Control Sample	Soluble	Solid	300.0	19773
LCSD 880-19773/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19773
880-11404-1 MS	CS-1 (1')	Soluble	Solid	300.0	19773
880-11404-1 MSD	CS-1 (1')	Soluble	Solid	300.0	19773
880-11404-11 MS	SW-2	Soluble	Solid	300.0	19773
880-11404-11 MSD	SW-2	Soluble	Solid	300.0	19773

Analysis Batch: 19837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11404-13	SW-4	Soluble	Solid	300.0	19766
880-11404-14	SW-5	Soluble	Solid	300.0	19766
880-11404-15	SW-6	Soluble	Solid	300.0	19766
880-11404-16	SW-7	Soluble	Solid	300.0	19766
880-11404-17	SW-8	Soluble	Solid	300.0	19766
880-11404-18	SW-9	Soluble	Solid	300.0	19766
880-11404-19	SW-10	Soluble	Solid	300.0	19766
MB 880-19766/1-A	Method Blank	Soluble	Solid	300.0	19766
LCS 880-19766/2-A	Lab Control Sample	Soluble	Solid	300.0	19766
LCSD 880-19766/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19766
880-11404-13 MS	SW-4	Soluble	Solid	300.0	19766
880-11404-13 MSD	SW-4	Soluble	Solid	300.0	19766

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (1')

Lab Sample ID: 880-11404-1

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 02:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 10:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 10:55	CH	XEN MID

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-11404-2

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 03:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 11:31	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 11:22	CH	XEN MID

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-11404-3

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 03:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 11:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 11:31	CH	XEN MID

Client Sample ID: CS-4 (1')

Lab Sample ID: 880-11404-4

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 03:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: CS-4 (1')

Lab Sample ID: 880-11404-4

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 12:14	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 11:40	CH	XEN MID

Client Sample ID: CS-5 (1')

Lab Sample ID: 880-11404-5

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 04:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 12:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 11:48	CH	XEN MID

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-11404-6

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 04:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 12:56	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 12:15	CH	XEN MID

Client Sample ID: CS-7 (0-5')

Lab Sample ID: 880-11404-7

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 05:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 13:16	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: CS-7 (0-5')

Lab Sample ID: 880-11404-7

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 12:24	CH	XEN MID

Client Sample ID: CS-8 (0-5')

Lab Sample ID: 880-11404-8

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 05:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 13:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 12:33	CH	XEN MID

Client Sample ID: CS-9 (0-5')

Lab Sample ID: 880-11404-9

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 06:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 13:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 12:42	CH	XEN MID

Client Sample ID: SW-1

Lab Sample ID: 880-11404-10

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 06:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 14:18	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 12:50	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: SW-2

Lab Sample ID: 880-11404-11

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 08:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 14:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 12:59	CH	XEN MID

Client Sample ID: SW-3

Lab Sample ID: 880-11404-12

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 09:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 15:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 13:26	CH	XEN MID

Client Sample ID: SW-4

Lab Sample ID: 880-11404-13

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 09:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 15:40	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19766	02/17/22 21:39	CH	XEN MID
Soluble	Analysis	300.0		1			19837	02/18/22 18:21	CH	XEN MID

Client Sample ID: SW-5

Lab Sample ID: 880-11404-14

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 10:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: SW-5

Lab Sample ID: 880-11404-14

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 16:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19766	02/17/22 21:39	CH	XEN MID
Soluble	Analysis	300.0		1			19837	02/18/22 18:40	CH	XEN MID

Client Sample ID: SW-6

Lab Sample ID: 880-11404-15

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 10:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 16:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19766	02/17/22 21:39	CH	XEN MID
Soluble	Analysis	300.0		1			19837	02/18/22 18:46	CH	XEN MID

Client Sample ID: SW-7

Lab Sample ID: 880-11404-16

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 11:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 16:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19766	02/17/22 21:39	CH	XEN MID
Soluble	Analysis	300.0		1			19837	02/18/22 18:53	CH	XEN MID

Client Sample ID: SW-8

Lab Sample ID: 880-11404-17

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/17/22 00:00

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	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 11:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 17:02	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Client Sample ID: SW-8

Date Collected: 02/17/22 00:00

Date Received: 02/17/22 00:00

Lab Sample ID: 880-11404-17

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			4.99 g	50 mL	19766	02/17/22 21:39	CH	XEN MID
Soluble	Analysis	300.0		1			19837	02/18/22 18:59	CH	XEN MID

Client Sample ID: SW-9

Date Collected: 02/17/22 00:00

Date Received: 02/17/22 00:00

Lab Sample ID: 880-11404-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 12:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 17:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19766	02/17/22 21:39	CH	XEN MID
Soluble	Analysis	300.0		1			19837	02/18/22 19:18	CH	XEN MID

Client Sample ID: SW-10

Date Collected: 02/17/22 00:00

Date Received: 02/17/22 00:00

Lab Sample ID: 880-11404-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	19685	02/17/22 16:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19654	02/18/22 12:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19830	02/18/22 14:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19853	02/18/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19727	02/17/22 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19777	02/18/22 17:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19766	02/17/22 21:39	CH	XEN MID
Soluble	Analysis	300.0		1			19837	02/18/22 19:24	CH	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	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

Job ID: 880-11404-1

Project/Site: Hoofprint Fed Com 1 (01.20.22)

SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Hoofprint Fed Com 1 (01.20.22)

Job ID: 880-11404-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11404-1	CS-1 (1')	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-2	CS-2 (1')	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-3	CS-3 (1')	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-4	CS-4 (1')	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-5	CS-5 (1')	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-6	CS-6 (1')	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-7	CS-7 (0-5')	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-8	CS-8 (0-5')	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-9	CS-9 (0-5')	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-10	SW-1	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-11	SW-2	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-12	SW-3	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-13	SW-4	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-14	SW-5	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-15	SW-6	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-16	SW-7	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-17	SW-8	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-18	SW-9	Solid	02/17/22 00:00	02/17/22 00:00
880-11404-19	SW-10	Solid	02/17/22 00:00	02/17/22 00:00

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Chain of Custody

Work Order No: 11404

Page _____ of _____

Project Manager:	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmora Resources	Company Name:	COG
Address:	310 W Wall St Ste 415	Address:	15 W London Rd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Loving, NM 88256
Phone:	432-813-6823	Email:	jacquiharris@comocphillips.com

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

Project Name:	Hootprint Fed Com 1 (01.20.22)	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	1006	Due Date:	24 Hrs													None: NO	DI Water: H ₂ O		
Project Location:	Eddy Co, NM	TAT starts the day received by the lab. If received by 4:30pm														Cool: Cool	MeOH: Me		
Sampler's Name:	CRM															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:												NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:												Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:												Zn Acetate+NaOH: Zn					
Total Containers:		Corrected Temperature:												NaOH+Ascorbic Acid: SAPC					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments		
CS-1 (1')	2/17/2022		X		Comp	1	X	X	X										
CS-2 (1')	2/17/2022		X		Comp	1	X	X	X										
CS-3 (1')	2/17/2022		X		Comp	1	X	X	X										
CS-4 (1')	2/17/2022		X		Comp	1	X	X	X										
CS-5 (1')	2/17/2022		X		Comp	1	X	X	X										
CS-6 (1')	2/17/2022		X		Comp	1	X	X	X										
CS-7 (0.5')	2/17/2022		X		Comp	1	X	X	X										
CS-8 (0.5')	2/17/2022		X		Comp	1	X	X	X										
CS-9 (0.5')	2/17/2022		X		Comp	1	X	X	X										
SW-1	2/17/2022		X		Comp	1	X	X	X										

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/17/22 14:00			

Chain of Custody

Work Order No: 11404

Page _____ of _____

Project Manager:	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	COG
Address:	310 W Wall St Ste 415	Address:	15 W London Rd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Loving, NM 88256
Phone:	432-813-6823	Email:	jacquiharris@conocophillips.com

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

Project Name:		Hoofprint Fed Com 1 (01.20.22)		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes														
Project Number:		1006		☐ Routine	☒ Rush												None: NO	DI Water: H ₂ O															
Project Location		Eddy Co, NM		Due Date:		24 Hrs											Cool: Cool	MeOH: Me															
Sampler's Name:		CRM		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 ☐											HOLD															
Received Intact:		Yes ☒ No ☐		Thermometer ID:		118												NaHSO ₄ : NABIS															
Cooler Custody Seals:		Yes ☐ No ☒		Correction Factor:		1.1												Na ₂ S ₂ O ₃ : NaSO ₃															
Sample Custody Seals:		Yes ☐ No ☒		Temperature Reading:		6.2												Zn Acetate+NaOH: Zn															
Total Containers:				Corrected Temperature:		1.1												NaOH+Ascorbic Acid: SAPC															
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments							
SW-2		2/17/2022				X				Comp		1		X		X		X															
SW-3		2/17/2022				X				Comp		1		X		X		X															
SW-4		2/17/2022				X				Comp		1		X		X		X															
SW-5		2/17/2022				X				Comp		1		X		X		X															
SW-6		2/17/2022				X				Comp		1		X		X		X															
SW-7		2/17/2022				X				Comp		1		X		X		X															
SW-8		2/17/2022				X				Comp		1		X		X		X															
SW-9		2/17/2022				X				Comp		1		X		X		X															
SW-10		2/17/2022				X				Comp		1		X		X		X															

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/17/22 14:01			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-11404-1

SDG Number: Eddy Co, NM

Login Number: 11404

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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



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

February 23, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: HOOFPRIINT FED COM 1

Enclosed are the results of analyses for samples received by the laboratory on 02/22/22 9:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/22/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	HOOFPRIINT FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	(01.20.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 4 (1.5') (H220677-01)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2022	ND	2.29	114	2.00	5.99	
Toluene*	<0.050	0.050	02/23/2022	ND	2.27	114	2.00	6.95	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.25	113	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.93	115	6.00	6.27	
Total BTEX	<0.300	0.300	02/23/2022	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/22/2022	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2022	ND	207	104	200	8.58	
DRO >C10-C28*	<10.0	10.0	02/23/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane 98.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/22/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	HOOFPRIINT FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	(01.20.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 5 (1.5') (H220677-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2022	ND	2.29	114	2.00	5.99	
Toluene*	<0.050	0.050	02/23/2022	ND	2.27	114	2.00	6.95	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.25	113	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.93	115	6.00	6.27	
Total BTX	<0.300	0.300	02/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/22/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2022	ND	207	104	200	8.58	
DRO >C10-C28*	<10.0	10.0	02/23/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/22/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	HOOFPRIINT FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	(01.20.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 9 (1') (H220677-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/23/2022	ND	2.29	114	2.00	5.99		
Toluene*	<0.050	0.050	02/23/2022	ND	2.27	114	2.00	6.95		
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.25	113	2.00	5.97		
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.93	115	6.00	6.27		
Total BTEX	<0.300	0.300	02/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/22/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2022	ND	207	104	200	8.58	
DRO >C10-C28*	<10.0	10.0	02/23/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/22/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	HOOFPRI NT FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	(01.20.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 1 (H220677-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2022	ND	2.29	114	2.00	5.99	
Toluene*	<0.050	0.050	02/23/2022	ND	2.27	114	2.00	6.95	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.25	113	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.93	115	6.00	6.27	
Total BTEX	<0.300	0.300	02/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/22/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2022	ND	207	104	200	8.58	
DRO >C10-C28*	<10.0	10.0	02/23/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/22/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	HOOFPRIINT FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	(01.20.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 3 (H220677-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2022	ND	2.29	114	2.00	5.99	
Toluene*	<0.050	0.050	02/23/2022	ND	2.27	114	2.00	6.95	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.25	113	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.93	115	6.00	6.27	
Total BTX	<0.300	0.300	02/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/22/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2022	ND	207	104	200	8.58	
DRO >C10-C28*	<10.0	10.0	02/23/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/22/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	HOOFPRI NT FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	(01.20.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 4 (H220677-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2022	ND	2.29	114	2.00	5.99	
Toluene*	<0.050	0.050	02/23/2022	ND	2.27	114	2.00	6.95	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.25	113	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.93	115	6.00	6.27	
Total BTX	<0.300	0.300	02/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/22/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2022	ND	207	104	200	8.58	
DRO >C10-C28*	<10.0	10.0	02/23/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Analytical Results For:

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

Received: 02/22/2022
 Reported: 02/23/2022
 Project Name: HOOFPRIINT FED COM 1
 Project Number: (01.20.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 02/22/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 (H220677-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2022	ND	2.29	114	2.00	5.99	
Toluene*	<0.050	0.050	02/23/2022	ND	2.27	114	2.00	6.95	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.25	113	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.93	115	6.00	6.27	
Total BTEX	<0.300	0.300	02/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/22/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2022	ND	207	104	200	8.58	
DRO >C10-C28*	<10.0	10.0	02/23/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/22/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	HOOFPRIINT FED COM 1	Sampling Condition:	Cool & Intact
Project Number:	(01.20.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 8 (H220677-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/22/2022	ND	2.12	106	2.00	12.8		
Toluene*	<0.050	0.050	02/22/2022	ND	2.26	113	2.00	4.34		
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.19	110	2.00	4.08		
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.80	113	6.00	4.76		
Total BTEX	<0.300	0.300	02/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/22/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2022	ND	199	99.5	200	13.8	
DRO >C10-C28*	<10.0	10.0	02/22/2022	ND	201	100	200	5.23	
EXT DRO >C28-C36	<10.0	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane 86.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.1 % 59.5-142

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H220677

Page 11 of 11

Project Manager:	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	COG
Address:	310 W Wall St Suite 415	Address:	15 W London Rd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Loving, NM 88256
Phone:	432-813-6823	Email:	jacquiharris@comocphillips.com

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

Project Name:	Hoofprint Fed Com 1 (01.20.22)	Turn Around	☐ Routine ☒ Rush	Due Date:	24 Hrs	Parameters	ANALYSIS REQUEST												Preservative Codes
Project Number:																			None: NO
Project Location:	Eddy Co. NM																		DI Water: H ₂ O
Sampler's Name:	CRM																		Cool: Cool
PO #:																			HCL: HC
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐															H ₂ SO ₄ : H ₂
Received Intact:	Yes ☒ No ☐	Thermometer ID:	113																H ₃ PO ₄ : HP
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	-0.5%																NaHSO ₄ : NABIS
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	4.6																Na ₂ S ₂ O ₃ : NaSO ₃
Total Containers:	Yes ☒ No ☐	Corrected Temperature:	4.1																Zn Acetate+NaOH: Zn
																			NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Sample Comments
CS-4 (1.5')	2/22/2022		X		C	1	X	X	X										
CS-5 (1.5')	2/22/2022		X		C	1	X	X	X										
CS-9 (1')	2/22/2022		X		C	1	X	X	X										
SW-1	2/22/2022		X		C	1	X	X	X										
SW-3	2/22/2022		X		C	1	X	X	X										
SW-4	2/22/2022		X		C	1	X	X	X										
SW-6	2/22/2022		X		C	1	X	X	X										
SW-8	2/22/2022		X		C	1	X	X	X										

mcarmona@carmonaresources.com
cmoehring@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	<i>Jacqui Harris</i>	2-22-22 0945			

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 96112

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 96112
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	4/20/2022