

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: Jacques Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 01/24/2023

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: Robert Hamlet Date: 5/22/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Cottonmouth 13 Federal Com 001H (12.5.22)
Incident #NAPP2234736505
Eddy County, New Mexico
Unit N Sec 13 T26S R28E
32.038018°, -104.041432°

Produced Water Release
Point of Release: Hole in Flowline
Release Date: 12.5.22
Volume Released: 1.23 barrels of Produced Water
Volume Recovered: 0 barrels of Produced Water

CARMONA RESOURCES



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

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

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

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January 18, 2023

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

**Re: Closure Report
Cottonmouth 13 Federal Com 001H (12.5.22)
Concho Operating, LLC
Site Location: Unit N, S13, T26S, R28E
(Lat 32.038018°, Long -104.041432°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Cottonmouth 13 Federal Com 001H (12.5.22). The site is located at 32.038018°, -104.041432° within Unit N, S13, T26S, R28E, and 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 December 5, 2022, due to a hole in a flowline. It released approximately one-point-two-three (1.23) barrels of crude oil, and zero (0) barrels were recovered. The impacted area occurred in the pasture, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is approximately 0.99 miles Northwest of the site in S12, T26S, R28E and was drilled in 1976. The well has a reported depth to groundwater of 100' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

On December 7, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. To assess the vertical and horizontal extent, three (3) sample points (S-1 through S-3) and four (4) horizontal points (H-1 through H-4) were advanced to depths ranging from the surface to 5' bgs inside the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under



the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

See Table 1 for the analytical results.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOC division office was notified via email on January 2, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 was excavated to a depth of 6' below the surface, the area of S-2 was excavated to a depth of 2' below the surface, and the area of S-3 was excavated to a depth of 1.5' below the surface to remove all the impacted soils. A total of ten (10) floor confirmation samples were collected (CS-1 through CS-10), and sixteen (16) sidewall samples (SW-1 through SW-16) were collected every 200 square feet to ensure the 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 E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory and reclamation requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 180 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and COG formally requests closure of the spill. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

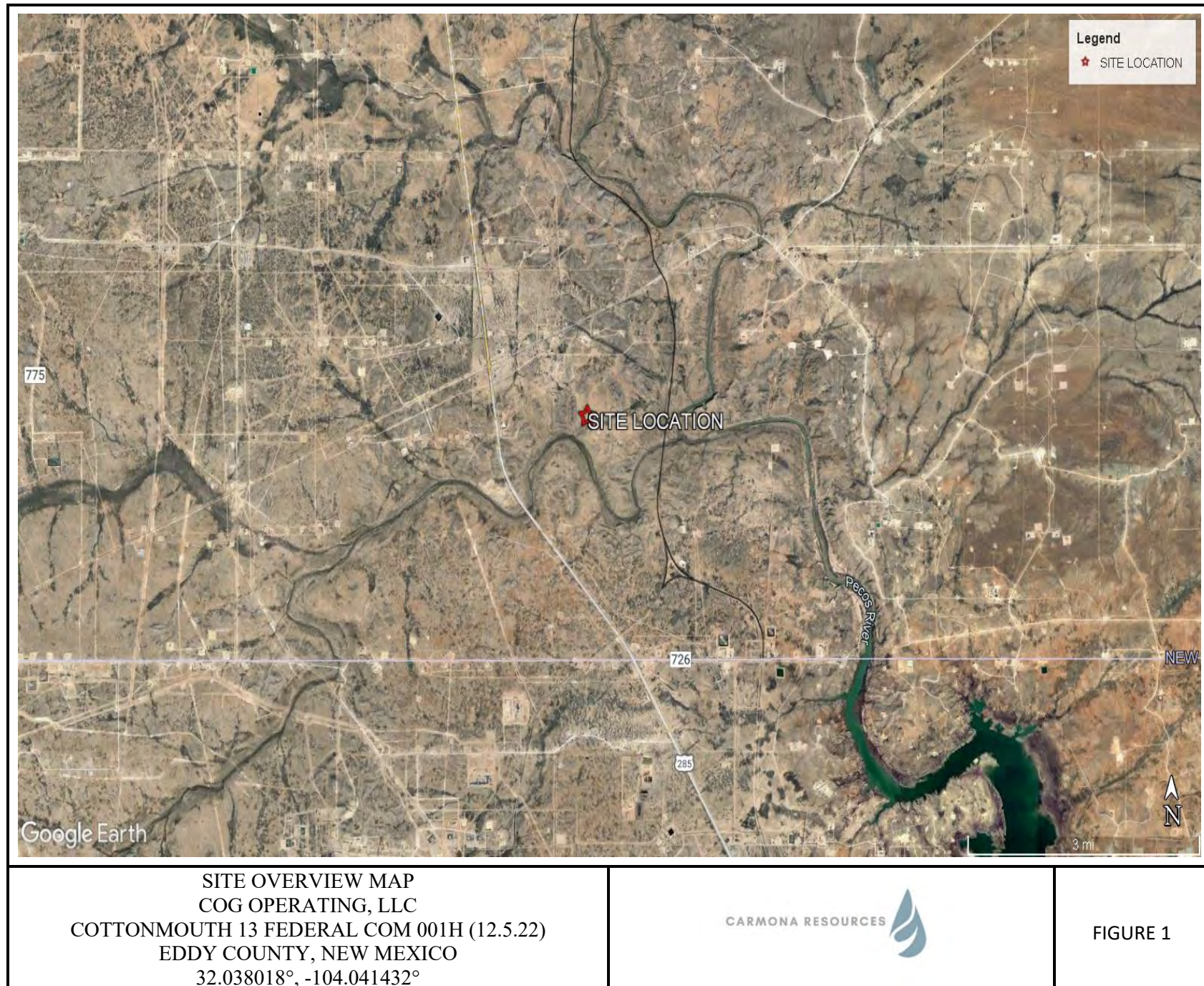
Mike Carmona
Environmental Manager

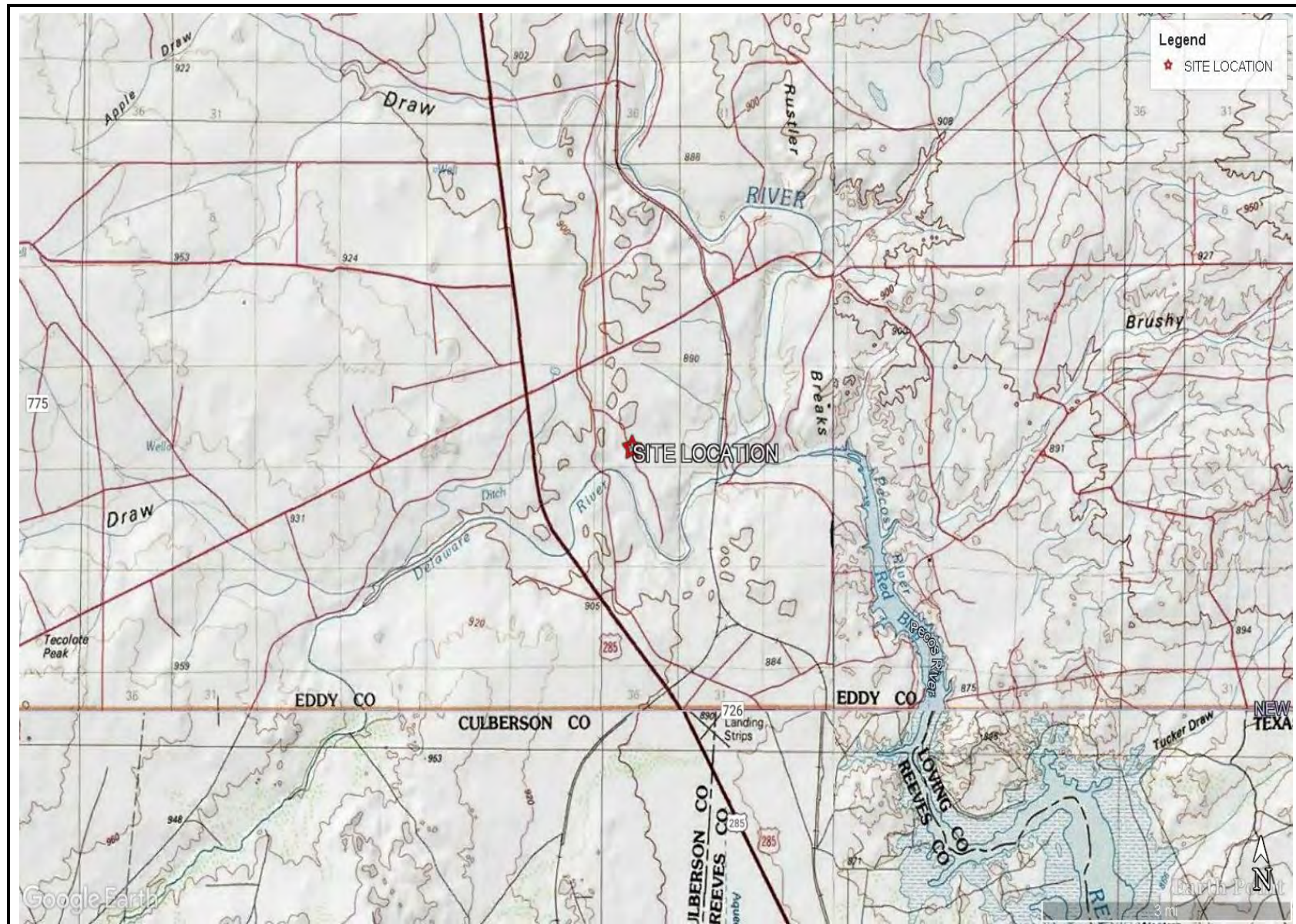
Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES



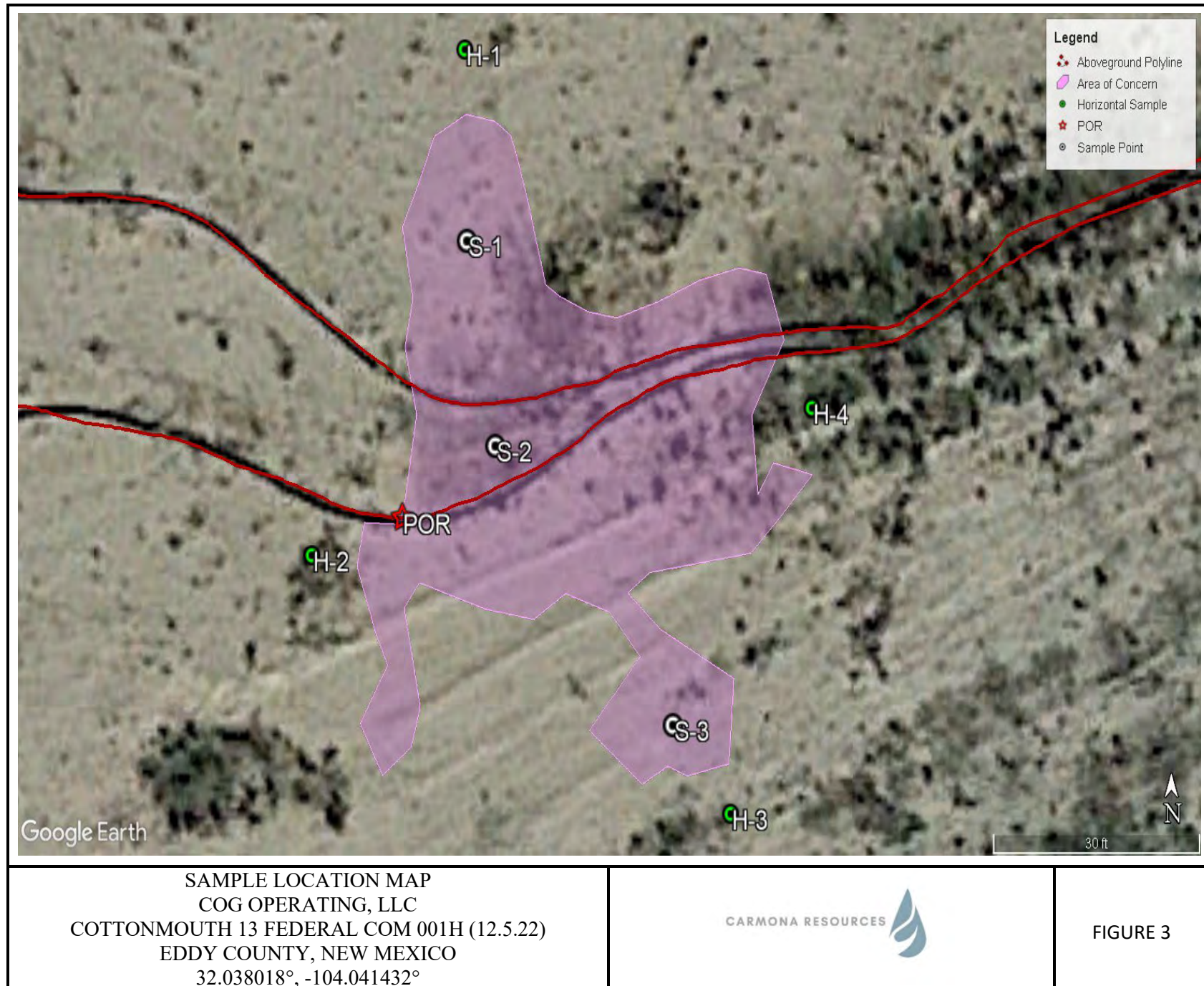


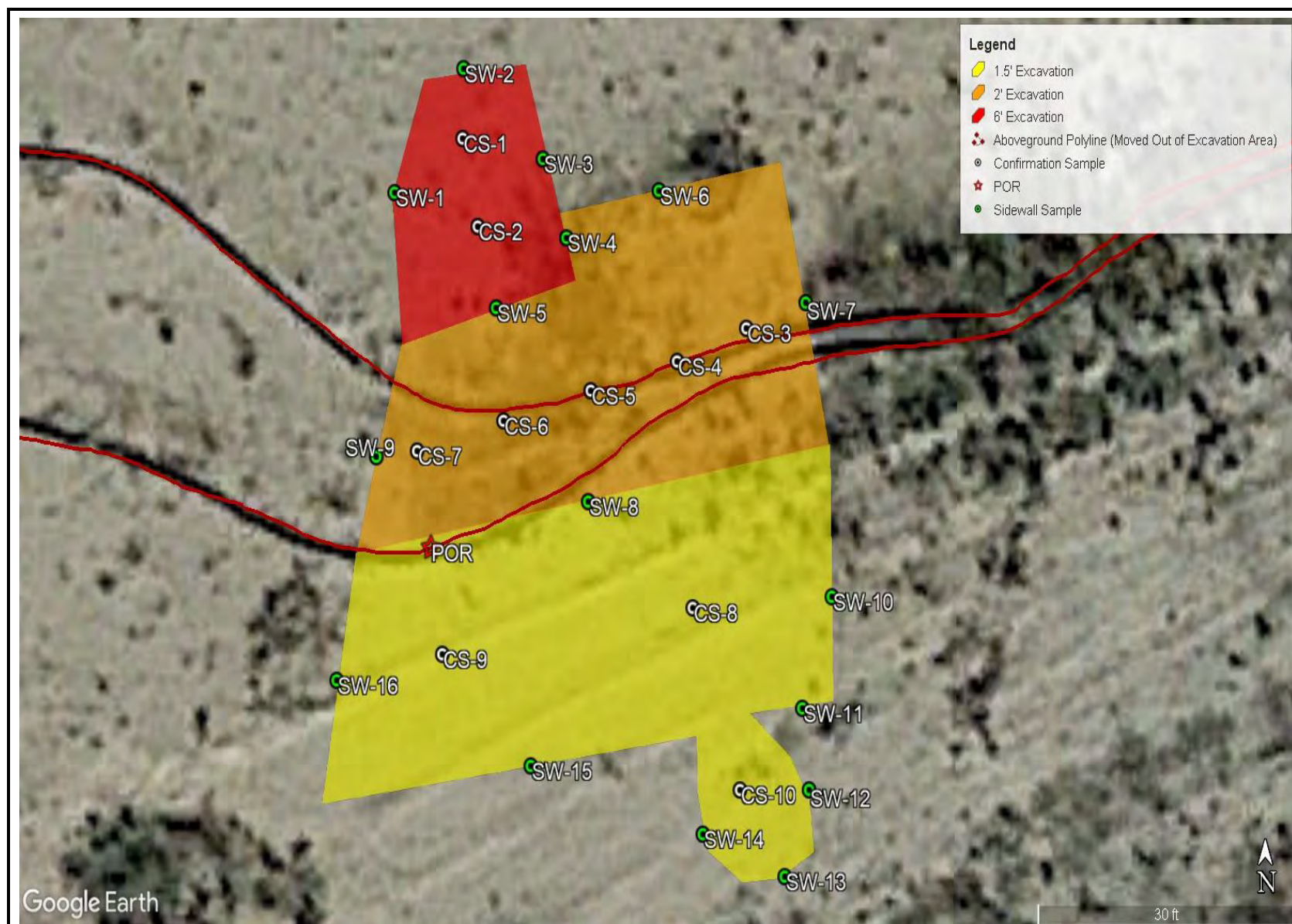


TOPOGRAPHIC MAP
 COG OPERATING, LLC
 COTTONMOUTH 13 FEDERAL COM 001H (12.5.22)
 EDDY COUNTY, NEW MEXICO
 32.038018°, -104.041432°



FIGURE 2





EXCAVATION DEPTH MAP
 COG OPERATING, LLC
 COTTONMOUTH 13 FEDERAL COM 001H (12.5.22)
 EDDY COUNTY, NEW MEXICO
 32.038018°, -104.041432°



FIGURE 4

APPENDIX A

CARMONA RESOURCES



Table 1
COG
Cottonmouth 13 Federal Com #1H Flowline (12.5.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	12/7/2022	0-1	<50.0	89.2	52.5	142	<0.00198	0.00316	0.00220	0.0230	0.0284	12,000
	"	1.5	<49.9	<49.9	<49.9	<49.9	0.0108	0.00914	<0.00198	0.00768	0.0276	9,490
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00410	<0.00199	0.0135	0.0176	12,800
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	0.0124	0.0626	0.0750	8,610
	"	4	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	0.00705	0.00705	9,670
	"	5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	9,530
S-2	12/7/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	0.00215	0.0135	0.0157	10,500
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,870
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	600
S-3	12/7/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,450
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	372
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	312
H-1	12/7/2022	0 - 0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	21.7
H-2	12/7/2022	0 - 0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	19.9
H-3	12/7/2022	0 - 0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	65.0
H-4	12/7/2022	0 - 0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft - feet

(S) - Sample Point

(H) - Horizontal

 Removed

Table 2
COG
Cottonmouth 13 Federal Com #1H Flowline (12.5.22)
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	1/5/2023	6.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.02
CS-2	1/5/2023	6.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.97
CS-3	1/5/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	319
CS-4	1/5/2023	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	135
CS-5	1/5/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	361
CS-6	1/5/2023	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	296
CS-7	1/5/2023	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	337
CS-8	1/5/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	337
CS-9	1/5/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	182
CS-10	1/5/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	125
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

Table 2
COG
Cottonmouth 13 Federal Com #1H Flowline (12.5.22)
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						
SW-1	1/5/2023	6.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.96
SW-2	1/5/2023	6.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.04
SW-3	1/5/2023	6.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	28.5
SW-4	1/5/2023	4.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.03
SW-5	1/5/2023	4.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
SW-6	1/5/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.98
SW-7	1/5/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6.02
SW-8	1/5/2023	0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	206
SW-9	1/5/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	293
SW-10	1/5/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	152
SW-11	1/5/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	64.5
SW-12	1/5/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	172
SW-13	1/5/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.25
SW-14	1/5/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	10.2
SW-15	1/5/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	71.8
SW-16	1/5/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.02
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

(SW) - Side Wall

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Cottonmouth 13 Federal Com
001H (12.5.22)

County: Eddy County, New Mexico

Description:

View South, area of CS-1, CS-2, CS-6, CS-7,
CS-9, and CS-10.



Photograph No. 2

Facility: Cottonmouth 13 Federal Com
001H (12.5.22)

County: Eddy County, New Mexico

Description:

View North, area of CS-1 through CS-7.



Photograph No. 3

Facility: Cottonmouth 13 Federal Com
001H (12.5.22)

County: Eddy County, New Mexico

Description:

View North, area of CS-1 through CS-9.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Cottonmouth 13 Federal Com
001H (12.5.22)

County: Eddy County, New Mexico

Description:

View East, area of CS-8 through CS-10.



Photograph No. 5

Facility: Cottonmouth 13 Federal Com
001H (12.5.22)

County: Eddy County, New Mexico

Description:

View Southwest, area of CS-3 through CS-10.



Photograph No. 6

Facility: Cottonmouth 13 Federal Com
001H (12.5.22)

County: Eddy County, New Mexico

Description:

View Southwest, area of CS-3 through CS-9.



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

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></u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>12/13/2022</u>

Facility Name & Number:	Cottonmouth 13 Fed Com 1H
Asset Area:	DBW-North
Release Discovery Date & Time:	12.5.22
Release Type:	Produced Water
Provide any known details about the event:	hole in poly line

Spill Calculation - Subsurface Spill - Cylinder

Was the release on pad or off-pad?		See reference table below					
Has it rained at least a half inch in the last 24 hours?		See reference table below					
Convert Irregular shape into a series of cylinders	Diameter (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Radius (ft.)	Estimated <u>Wet</u> Area (sq. ft.)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)
Cylinder A	48.0	0.25	10.38%	24.000	1809.558	6.710	0.697
Cylinder B	42.0	0.25	10.38%	21.000	1385.443	5.138	0.533
Cylinder C				0.000	0.000	0.000	0.000
Cylinder D				0.000	0.000	0.000	0.000
Cylinder E				0.000	0.000	0.000	0.000
Cylinder F				0.000	0.000	0.000	0.000
Cylinder G				0.000	0.000	0.000	0.000
Cylinder H				0.000	0.000	0.000	0.000
Cylinder I				0.000	0.000	0.000	0.000
Cylinder J				0.000	0.000	0.000	0.000
Total Volume Release:						1.230	

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 166458

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 166458
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	12/13/2022

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: Jacqueline Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 01/24/2023

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: Jocelyn Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 01/24/2023

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: _____ Date: _____

Printed Name: _____ Title: _____

From: Conner Moehring
Sent: Monday, January 2, 2023 11:13 AM
To: OCD.Enviro@emnrd.nm.gov <OCD.Enviro@emnrd.nm.gov>
Cc: Jacqui.Harris@conocophillips.com; Mike Carmona
Subject: COG - Cottonmouth 13 Fed Com #1H Flowline (12.5.22) - Sampling Notification

Good Morning,

On behalf of COG, Carmona Resources will collect confirmation samples at the below-referenced site on 1/5/23 around 9:00 a.m. Mountain Time. Please let me know if you have any questions.

COG – Cottonmouth 13 Fed Com #1H Flowline (12.5.22)
Incident #: NAPP2234736505
Eddy County, New Mexico
32.038018, -104.041432
Sec 13 T26S R28E Unit N

Conner R. Moehring
310 West Wall Street, Suite 500
Midland Texas, 79701
M: 432-813-6823
Cmoehring@carmonaresources.com



APPENDIX D

CARMONA RESOURCES

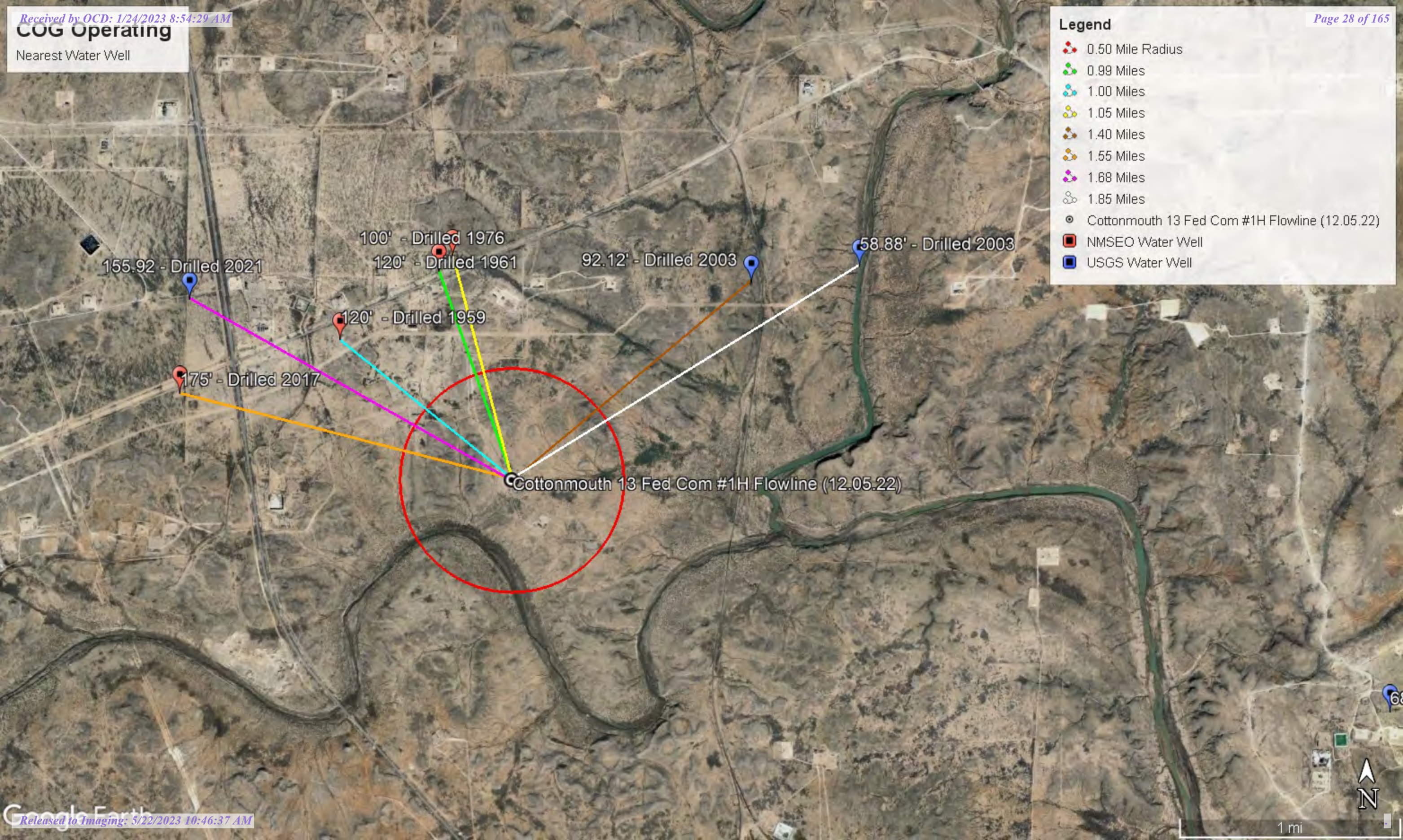


COG Operating

Nearest Water Well

Legend

- 0.50 Mile Radius
- 0.99 Miles
- 1.00 Miles
- 1.05 Miles
- 1.40 Miles
- 1.55 Miles
- 1.68 Miles
- 1.85 Miles
- Cottonmouth 13 Fed Com #1H Flowline (12.05.22)
- NMSEO Water Well
- USGS Water Well



COG Operating

Medium Karst

Legend

-  Cottonmouth 13 Fed Com #1H Flowline (12.05.22)
-  High
-  Medium

Cottonmouth 13 Fed Com #1H Flowline (12.05.22)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01668	CUB	ED		3	3	12	26S	28E		589957	3546554*	1599	250	100	150
C 02160	CUB	ED		4	1	2	14	26S	28E	589243	3546044*	1606	300	120	180
C 02160 S8	CUB	ED		2	3	3	12	26S	28E	590056	3546653*	1663	200	120	80
C 02160 S	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	1887	300	120	180
C 02160 S2	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	1887	300	120	180
C 02894	C	ED		2	2	3	12	26S	28E	590458	3547061*	2010	240		
C 02160 S3	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	2052	300	120	180
C 02160 S4	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	2052	300	120	180
C 02160 S6	CUB	ED		3	3	1	14	26S	28E	588232	3545635*	2348	300	120	180
C 02481	CUB	ED		1	1	14	26S	28E		588326	3546138*	2436	200		
C 04022 POD1	CUB	ED		4	4	2	15	26S	28E	588082	3545647	2496	220	175	45
C 02160 S5	CUB	ED		1	1	1	14	26S	28E	588225	3546237*	2571	300	120	180
C 02924	C	ED		1	3	2	11	26S	28E	589032	3547451*	2816			
C 02479	CUB	ED		4	4	10	26S	28E		587909	3546534*	2990	200		
C 02480	CUB	ED		4	4	10	26S	28E		587909	3546534*	2990	150		
C 04022 POD2	CUB	ED		2	2	2	27	26S	28E	588106	3543082	3104	250	145	105

Average Depth to Water: **125 feet**

Minimum Depth: **100 feet**

Maximum Depth: **175 feet**

Record Count: 16

UTMNAD83 Radius Search (in meters):

Easting (X): 590506.35

Northing (Y): 3545051.36

Radius: 4000

*UTM location was derived from PLSS - see Help

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12/9/22 5:58 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	01668		3	3	12	26S	28E	589957	3546554*

Driller License:	224	Driller Company:	MULLIN, R.J.
Driller Name:			
Drill Start Date:	03/22/1976	Drill Finish Date:	04/02/1976
Log File Date:	04/08/1976	PCW Rev Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:	16.00	Depth Well:	250 feet
		Depth Water:	100 feet

Water Bearing Stratifications:	Top	Bottom	Description
	115	135	Limestone/Dolomite/Chalk
	135	147	Limestone/Dolomite/Chalk
	185	196	Limestone/Dolomite/Chalk
	236	238	Limestone/Dolomite/Chalk

Casing Perforations:	Top	Bottom
	0	115
	115	135
	135	147
	147	196
	196	212
	212	234
	234	241
	241	250

*UTM location was derived from PLSS - see Help

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12/9/22 5:58 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)						X	Y
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng		
C	02160	4	1	2	14	26S	28E	589243	3546044*

Driller License:		Driller Company:	
Driller Name: HEMLER			
Drill Start Date:		Drill Finish Date: 12/01/1959	Plug Date:
Log File Date:		PCW Rev Date:	Source: Shallow
Pump Type: JOHNSO		Pipe Discharge Size:	Estimated Yield:
Casing Size:		Depth Well: 300 feet	Depth Water: 120 feet

*UTM location was derived from PLSS - see Help

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12/9/22 6:01 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)						(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
C	02160 S8	2	3	3	12	26S	28E	590056	3546653*		

Driller License:		Driller Company:	
Driller Name: HEMLER			
Drill Start Date:		Drill Finish Date: 03/01/1961	Plug Date:
Log File Date:		PCW Rev Date:	Source: Shallow
Pump Type:		Pipe Discharge Size:	Estimated Yield:
Casing Size:		Depth Well: 200 feet	Depth Water: 120 feet

*UTM location was derived from PLSS - see Help

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12/9/22 6:02 AM

POINT OF DIVERSION SUMMARY



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320303104012301

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320303104012301 26S.28E.14.21412

Eddy County, New Mexico
Latitude 32°03'03.0", Longitude 104°01'23.0" NAD27
Land-surface elevation 2,972.40 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1978-01-13			D 62610		2855.65	NGVD29	1	Z		
1978-01-13			D 62611		2857.19	NAVD88	1	Z		
1978-01-13			D 72019	116.75			1	Z		
1983-01-25			D 62610		2858.75	NGVD29	1	Z		
1983-01-25			D 62611		2860.29	NAVD88	1	Z		
1983-01-25			D 72019	113.65			1	Z		
1987-10-14			D 62610		2873.68	NGVD29	1	Z		
1987-10-14			D 62611		2875.22	NAVD88	1	Z		
1987-10-14			D 72019	98.72			1	Z		
1993-05-04			D 62610		2880.80	NGVD29	1	S		
1993-05-04			D 62611		2882.34	NAVD88	1	S		
1993-05-04			D 72019	91.60			1	S		
1998-01-22			D 62610		2882.55	NGVD29	1	S		
1998-01-22			D 62611		2884.09	NAVD88	1	S		
1998-01-22			D 72019	89.85			1	S		
2003-01-27			D 62610		2880.28	NGVD29	1	S	USGS	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
2003-01-27			D	62611	2881.82	NAVD88	1	S	USGS	
2003-01-27			D	72019	92.12		1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320303104012301&agency_cd=USGS&format=html)



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-12-09 08:12:49 EST

0.29 0.25 nadww01



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	04022 POD1	4	4	2	15	26S	28E	588082	3545647

Driller License: 1184

Driller Company: WEST TEXAS WATER WELL SERVICE

Driller Name: KEITH, RONNY

Drill Start Date: 05/01/2017

Drill Finish Date: 05/05/2017

Plug Date:

Log File Date: 06/05/2017

PCW Rev Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 1 GPM

Casing Size: 12.25

Depth Well: 220 feet

Depth Water: 175 feet

Water Bearing Stratifications:	Top	Bottom	Description
	175	180	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	160	220

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.

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	New Mexico	GO	

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320309104020401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320309104020401 26S.28E.14.11111

Eddy County, New Mexico

Latitude 32°02'59.0", Longitude 104°03'58.7" NAD83

Land-surface elevation 2,972.00 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1978-01-13		D	62610		2849.66	NGVD29	1		Z	
1978-01-13		D	62611		2851.23	NAVD88	1		Z	
1978-01-13		D	72019	122.34			1		Z	
1983-01-25		D	62610		2844.62	NGVD29	1		Z	
1983-01-25		D	62611		2846.19	NAVD88	1		Z	
1983-01-25		D	72019	127.38			1		Z	
1987-10-14		D	62610		2865.60	NGVD29	1		Z	
1987-10-14		D	62611		2867.17	NAVD88	1		Z	
1987-10-14		D	72019	106.40			1		Z	
1993-01-05		D	62610		2871.58	NGVD29	1		S	
1993-01-05		D	62611		2873.15	NAVD88	1		S	
1993-01-05		D	72019	100.42			1		S	
1998-01-22		D	62610		2875.45	NGVD29	1		S	
1998-01-22		D	62611		2877.02	NAVD88	1		S	
1998-01-22		D	72019	96.55			1		S	
2003-01-27		D	62610		2874.98	NGVD29	1		S	USGS

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
2003-01-27	D	62611	2876.55	NAVD88	1	S	USGS
2003-01-27	D	72019	97.02		1	S	USGS
2013-01-09 20:30 UTC	m	62610	2832.88	NGVD29	1	S	USGS
2013-01-09 20:30 UTC	m	62611	2834.45	NAVD88	1	S	USGS
2013-01-09 20:30 UTC	m	72019	139.12		1	S	USGS
2021-02-24 20:05 UTC	m	62610	2816.08	NGVD29	1	V	USGS
2021-02-24 20:05 UTC	m	62611	2817.65	NAVD88	1	V	USGS
2021-02-24 20:05 UTC	m	72019	155.92		1	V	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Accessibility FOIA Privacy Policies and Notices

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)**Title: Groundwater for New Mexico: Water Levels****URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320309104020401&agency_cd=USGS&format=html)**Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-12-09 08:14:06 EST

0.3 0.25 nadww01



Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status
				Groundwater	New Mexico	GO	

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Groundwater levels for New Mexico

Click to hide state-specific text

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320307104005301

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320307104005301 26S.28E.13.11214

Eddy County, New Mexico
Latitude 32°03'07", Longitude 104°00'53" NAD27
Land-surface elevation 2,858 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1948-12-15		D	62610		2796.46	NGVD29	1		Z	
1948-12-15		D	62611		2798.00	NAVD88	1		Z	
1948-12-15		D	72019	60.00			1		Z	
1975-12-09		D	62610		2796.97	NGVD29	1		Z	
1975-12-09		D	62611		2798.51	NAVD88	1		Z	
1975-12-09		D	72019	59.49			1		Z	
1976-01-20		D	62610		2797.89	NGVD29	1		Z	
1976-01-20		D	62611		2799.43	NAVD88	1		Z	
1976-01-20		D	72019	58.57			1		Z	
1977-01-13		D	62610		2802.13	NGVD29	1		Z	
1977-01-13		D	62611		2803.67	NAVD88	1		Z	
1977-01-13		D	72019	54.33			1		Z	
1978-02-23		D	62610		2799.71	NGVD29	1		Z	
1978-02-23		D	62611		2801.25	NAVD88	1		Z	
1978-02-23		D	72019	56.75			1		Z	
1983-01-26		D	62610		2803.36	NGVD29	1		Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
1983-01-26	D	62611	2804.90	NAVD88	1	Z	
1983-01-26	D	72019	53.10		1	Z	
1987-10-14	D	62610	2801.32	NGVD29	1	Z	
1987-10-14	D	62611	2802.86	NAVD88	1	Z	
1987-10-14	D	72019	55.14		1	Z	
1988-03-22	D	62610	2798.73	NGVD29	1	Z	
1988-03-22	D	62611	2800.27	NAVD88	1	Z	
1988-03-22	D	72019	57.73		1	Z	
1993-01-05	D	62610	2796.63	NGVD29	1	S	
1993-01-05	D	62611	2798.17	NAVD88	1	S	
1993-01-05	D	72019	59.83		1	S	
1998-01-22	D	62610	2803.01	NGVD29	1	S	
1998-01-22	D	62611	2804.55	NAVD88	1	S	
1998-01-22	D	72019	53.45		1	S	
2003-01-27	D	62610	2797.58	NGVD29	1	S	USGS
2003-01-27	D	62611	2799.12	NAVD88	1	S	USGS
2003-01-27	D	72019	58.88		1	S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320307104005301&agency_cd=USGS&format=html)



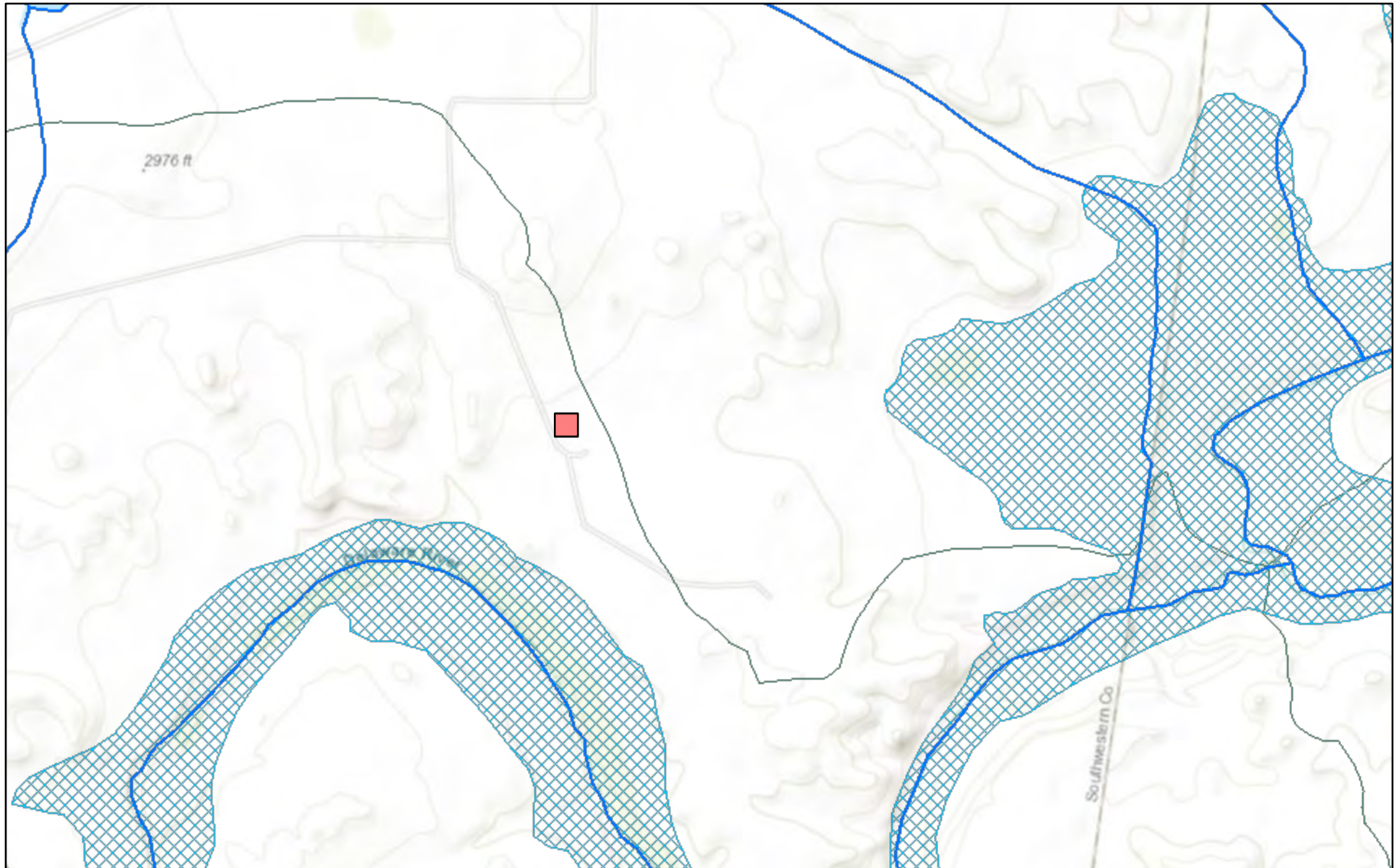
Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-12-09 08:05:31 EST

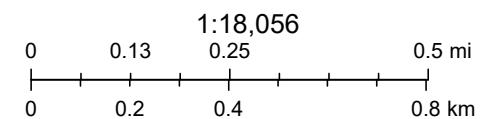
0.28 0.24 nadww02

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
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New Mexico NFHL Data



December 9, 2022



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/14/2022 8:09:35 AM

JOB DESCRIPTION

Cottonmouth 13 Fed Com #1H Flowline (12.5.22)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-22524-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

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

Authorization

Generated
12/14/2022 8:09:35 AM

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

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Laboratory Job ID: 880-22524-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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
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.

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: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-22524-1
SDG: Eddy County, New Mexico

Job ID: 880-22524-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-22524-1****Receipt**

The samples were received on 12/9/2022 9:01 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 2.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-1') (880-22524-1), H-2 (0-6") (880-22524-2), H-3 (0-6") (880-22524-3) and H-4 (0-6") (880-22524-4).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-22523-A-4-D MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (0-1') (880-22524-1) and H-2 (0-6") (880-22524-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: H-4 (0-6") (880-22524-4). 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: The surrogate recovery for the blank associated with preparation batch 880-41445 and analytical batch 880-41519 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-41445 and analytical batch 880-41519 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22524-1

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/09/22 14:34	12/12/22 13:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/22 14:34	12/12/22 13:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/22 14:34	12/12/22 13:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/22 14:34	12/12/22 13:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/22 14:34	12/12/22 13:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/22 14:34	12/12/22 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	12/09/22 14:34	12/12/22 13:43	1
1,4-Difluorobenzene (Surr)	113		70 - 130	12/09/22 14:34	12/12/22 13:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/12/22 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/12/22 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	50.0		mg/Kg		12/09/22 11:06	12/11/22 21:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/11/22 21:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/11/22 21:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	12/09/22 11:06	12/11/22 21:48	1
o-Terphenyl	116		70 - 130	12/09/22 11:06	12/11/22 21:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.7		4.95		mg/Kg			12/13/22 05:11	1

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

Lab Sample ID: 880-22524-2

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 14:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 14:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 14:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/09/22 14:34	12/12/22 14:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 14:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/09/22 14:34	12/12/22 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	12/09/22 14:34	12/12/22 14:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/09/22 14:34	12/12/22 14:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22524-2

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/12/22 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/22 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/11/22 22:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/11/22 22:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/11/22 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				12/09/22 11:06	12/11/22 22:52	1
o-Terphenyl	117		70 - 130				12/09/22 11:06	12/11/22 22:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.9		5.05		mg/Kg			12/12/22 01:59	1

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

Lab Sample ID: 880-22524-3

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/09/22 14:34	12/12/22 14:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/22 14:34	12/12/22 14:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/22 14:34	12/12/22 14:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/22 14:34	12/12/22 14:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/22 14:34	12/12/22 14:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/22 14:34	12/12/22 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				12/09/22 14:34	12/12/22 14:24	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/09/22 14:34	12/12/22 14:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/12/22 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/22 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/11/22 23:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/11/22 23:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22524-3

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/11/22 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/09/22 11:06	12/11/22 23:12	1
o-Terphenyl	104		70 - 130				12/09/22 11:06	12/11/22 23:12	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.0		5.01		mg/Kg			12/12/22 02:04	1

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

Lab Sample ID: 880-22524-4

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 14:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 14:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 14:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/22 14:34	12/12/22 14:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 14:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/22 14:34	12/12/22 14:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130				12/09/22 14:34	12/12/22 14:45	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/09/22 14:34	12/12/22 14:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/12/22 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/12/22 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/11/22 23:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/11/22 23:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/11/22 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				12/09/22 11:06	12/11/22 23:33	1
o-Terphenyl	123		70 - 130				12/09/22 11:06	12/11/22 23:33	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.0		4.95		mg/Kg			12/12/22 02:10	1

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-22523-A-4-D MS	Matrix Spike	139 S1+	100
880-22523-A-4-E MSD	Matrix Spike Duplicate	91	92
880-22524-1	H-1 (0-1')	139 S1+	113
880-22524-2	H-2 (0-6")	138 S1+	103
880-22524-3	H-3 (0-6")	102	90
880-22524-4	H-4 (0-6")	158 S1+	109
LCS 880-41490/1-A	Lab Control Sample	102	107
LCSD 880-41490/2-A	Lab Control Sample Dup	116	94
MB 880-41490/5-A	Method Blank	74	99
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)
880-22524-1	H-1 (0-1')	106	116
880-22524-1 MS	H-1 (0-1')	91	87
880-22524-1 MSD	H-1 (0-1')	84	81
880-22524-2	H-2 (0-6")	104	117
880-22524-3	H-3 (0-6")	93	104
880-22524-4	H-4 (0-6")	113	123
LCS 880-41445/2-A	Lab Control Sample	91	96
LCSD 880-41445/3-A	Lab Control Sample Dup	86	89
MB 880-41445/1-A	Method Blank	126	189 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-41490/5-A

Matrix: Solid

Analysis Batch: 41566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 12:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 12:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 12:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/22 14:34	12/12/22 12:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 12:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/22 14:34	12/12/22 12:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	12/09/22 14:34	12/12/22 12:54	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/09/22 14:34	12/12/22 12:54	1

Lab Sample ID: LCS 880-41490/1-A

Matrix: Solid

Analysis Batch: 41566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1116		mg/Kg		112	70 - 130
Toluene	0.100	0.09010		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09123		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1896		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09133		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-41490/2-A

Matrix: Solid

Analysis Batch: 41566

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41490

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09186		mg/Kg		92	70 - 130	19	35
Toluene	0.100	0.08633		mg/Kg		86	70 - 130	4	35
Ethylbenzene	0.100	0.09686		mg/Kg		97	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2153		mg/Kg		108	70 - 130	13	35
o-Xylene	0.100	0.1034		mg/Kg		103	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-22523-A-4-D MS

Matrix: Solid

Analysis Batch: 41566

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 41490

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.101	0.09097		mg/Kg		90	70 - 130
Toluene	<0.00200	U	0.101	0.08690		mg/Kg		85	70 - 130

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QC Sample Results

Client: Carmona Resources

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22523-A-4-D MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 41566

Prep Batch: 41490

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.101	0.09694		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.0109		0.202	0.2181		mg/Kg		103	70 - 130
o-Xylene	0.00670		0.101	0.1080		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-22523-A-4-E MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 41566

Prep Batch: 41490

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.07915		mg/Kg		80	70 - 130	14	35
Toluene	<0.00200	U	0.0990	0.07607		mg/Kg		76	70 - 130	13	35
Ethylbenzene	<0.00200	U	0.0990	0.08111		mg/Kg		80	70 - 130	18	35
m-Xylene & p-Xylene	0.0109		0.198	0.1721		mg/Kg		81	70 - 130	24	35
o-Xylene	0.00670		0.0990	0.08155		mg/Kg		76	70 - 130	28	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-41445/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 41519

Prep Batch: 41445

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		12/09/22 11:06	12/11/22 20:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/11/22 20:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/11/22 20:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	12/09/22 11:06	12/11/22 20:42	1
o-Terphenyl	189	S1+	70 - 130	12/09/22 11:06	12/11/22 20:42	1

Lab Sample ID: LCS 880-41445/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 41519

Prep Batch: 41445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1042		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	991.9		mg/Kg		99	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-22524-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-41445/2-A

Matrix: Solid

Analysis Batch: 41519

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41445

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: LCSD 880-41445/3-A

Matrix: Solid

Analysis Batch: 41519

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41445

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	894.4		mg/Kg		89	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	905.6		mg/Kg		91	70 - 130	9	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-22524-1 MS

Matrix: Solid

Analysis Batch: 41519

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

Prep Type: Total/NA

Prep Batch: 41445

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 F1 F2	999	1403	F1	mg/Kg		137	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	741.0		mg/Kg		73	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: 880-22524-1 MSD

Matrix: Solid

Analysis Batch: 41519

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

Prep Type: Total/NA

Prep Batch: 41445

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 F1 F2	997	858.8	F2	mg/Kg		82	70 - 130	48	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	717.4		mg/Kg		70	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	81		70 - 130

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QC Sample Results

Client: Carmona Resources

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41428/1-A

Matrix: Solid

Analysis Batch: 41537

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			12/12/22 00:51	1

Lab Sample ID: LCS 880-41428/2-A

Matrix: Solid

Analysis Batch: 41537

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.0		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-41428/3-A

Matrix: Solid

Analysis Batch: 41537

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	262.7		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-22523-A-1-B MS

Matrix: Solid

Analysis Batch: 41537

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	2680		5010	7833		mg/Kg		103	90 - 110

Lab Sample ID: 880-22523-A-1-C MSD

Matrix: Solid

Analysis Batch: 41537

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	2680		5010	7838		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-41656/1-A

Matrix: Solid

Analysis Batch: 41690

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			12/13/22 04:05	1

Lab Sample ID: LCS 880-41656/2-A

Matrix: Solid

Analysis Batch: 41690

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.9		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-41656/3-A

Matrix: Solid

Analysis Batch: 41690

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	267.2		mg/Kg		107	90 - 110	5	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-22524-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-22511-A-2-C MS

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 41690

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	144		248	398.0		mg/Kg		102	90 - 110

Lab Sample ID: 880-22511-A-2-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 41690

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	144		248	396.9		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Carmona Resources

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 41490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22524-1	H-1 (0-1')	Total/NA	Solid	5035	
880-22524-2	H-2 (0-6")	Total/NA	Solid	5035	
880-22524-3	H-3 (0-6")	Total/NA	Solid	5035	
880-22524-4	H-4 (0-6")	Total/NA	Solid	5035	
MB 880-41490/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41490/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41490/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22523-A-4-D MS	Matrix Spike	Total/NA	Solid	5035	
880-22523-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 41566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22524-1	H-1 (0-1')	Total/NA	Solid	8021B	41490
880-22524-2	H-2 (0-6")	Total/NA	Solid	8021B	41490
880-22524-3	H-3 (0-6")	Total/NA	Solid	8021B	41490
880-22524-4	H-4 (0-6")	Total/NA	Solid	8021B	41490
MB 880-41490/5-A	Method Blank	Total/NA	Solid	8021B	41490
LCS 880-41490/1-A	Lab Control Sample	Total/NA	Solid	8021B	41490
LCSD 880-41490/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41490
880-22523-A-4-D MS	Matrix Spike	Total/NA	Solid	8021B	41490
880-22523-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	41490

Analysis Batch: 41676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22524-1	H-1 (0-1')	Total/NA	Solid	Total BTEX	
880-22524-2	H-2 (0-6")	Total/NA	Solid	Total BTEX	
880-22524-3	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-22524-4	H-4 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22524-1	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-22524-2	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-22524-3	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-22524-4	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-41445/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41445/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41445/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22524-1 MS	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-22524-1 MSD	H-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22524-1	H-1 (0-1')	Total/NA	Solid	8015B NM	41445
880-22524-2	H-2 (0-6")	Total/NA	Solid	8015B NM	41445
880-22524-3	H-3 (0-6")	Total/NA	Solid	8015B NM	41445
880-22524-4	H-4 (0-6")	Total/NA	Solid	8015B NM	41445
MB 880-41445/1-A	Method Blank	Total/NA	Solid	8015B NM	41445
LCS 880-41445/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41445

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QC Association Summary

Client: Carmona Resources

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 41519 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-41445/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41445
880-22524-1 MS	H-1 (0-1')	Total/NA	Solid	8015B NM	41445
880-22524-1 MSD	H-1 (0-1')	Total/NA	Solid	8015B NM	41445

Analysis Batch: 41619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22524-1	H-1 (0-1')	Total/NA	Solid	8015 NM	
880-22524-2	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-22524-3	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-22524-4	H-4 (0-6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 41428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22524-2	H-2 (0-6")	Soluble	Solid	DI Leach	
880-22524-3	H-3 (0-6")	Soluble	Solid	DI Leach	
880-22524-4	H-4 (0-6")	Soluble	Solid	DI Leach	
MB 880-41428/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41428/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41428/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22523-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-22523-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 41537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22524-2	H-2 (0-6")	Soluble	Solid	300.0	41428
880-22524-3	H-3 (0-6")	Soluble	Solid	300.0	41428
880-22524-4	H-4 (0-6")	Soluble	Solid	300.0	41428
MB 880-41428/1-A	Method Blank	Soluble	Solid	300.0	41428
LCS 880-41428/2-A	Lab Control Sample	Soluble	Solid	300.0	41428
LCSD 880-41428/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41428
880-22523-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	41428
880-22523-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	41428

Leach Batch: 41656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22524-1	H-1 (0-1')	Soluble	Solid	DI Leach	
MB 880-41656/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41656/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41656/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22511-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-22511-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 41690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22524-1	H-1 (0-1')	Soluble	Solid	300.0	41656
MB 880-41656/1-A	Method Blank	Soluble	Solid	300.0	41656
LCS 880-41656/2-A	Lab Control Sample	Soluble	Solid	300.0	41656
LCSD 880-41656/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41656
880-22511-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	41656

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QC Association Summary

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-22524-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 41690 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22511-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	41656

- 1
- 2
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Lab Chronicle

Client: Carmona Resources

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22524-1

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41676	12/12/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			41619	12/12/22 10:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/11/22 21:48	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41656	12/12/22 15:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41690	12/13/22 05:11	CH	EET MID

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

Lab Sample ID: 880-22524-2

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41676	12/12/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			41619	12/12/22 10:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/11/22 22:52	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41428	12/09/22 09:55	KS	EET MID
Soluble	Analysis	300.0		1			41537	12/12/22 01:59	CH	EET MID

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

Lab Sample ID: 880-22524-3

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 14:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41676	12/12/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			41619	12/12/22 10:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/11/22 23:12	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41428	12/09/22 09:55	KS	EET MID
Soluble	Analysis	300.0		1			41537	12/12/22 02:04	CH	EET MID

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

Lab Sample ID: 880-22524-4

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41676	12/12/22 16:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-22524-1
SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-6")
Date Collected: 12/07/22 00:00
Date Received: 12/09/22 09:01

Lab Sample ID: 880-22524-4
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			41619	12/12/22 10:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/11/22 23:33	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41428	12/09/22 09:55	KS	EET MID
Soluble	Analysis	300.0		1			41537	12/12/22 02:10	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

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

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

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

Eurofins Midland

Method Summary

Client: Carmona Resources

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources

Job ID: 880-22524-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22524-1	H-1 (0-1')	Solid	12/07/22 00:00	12/09/22 09:01
880-22524-2	H-2 (0-6")	Solid	12/07/22 00:00	12/09/22 09:01
880-22524-3	H-3 (0-6")	Solid	12/07/22 00:00	12/09/22 09:01
880-22524-4	H-4 (0-6")	Solid	12/07/22 00:00	12/09/22 09:01

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Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmونا 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 88258
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com

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

Work Order No: 22524

[illegible][illegible]

880-22524 Chain of Custody



Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	2/9/22 901		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22524-1

SDG Number: Eddy County, New Mexico

Login Number: 22524

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/14/2022 8:10:11 AM

JOB DESCRIPTION

MyCottonmouth 13 Fed Com #1H Flowline (12.5.22)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-22526-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

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

Authorization

Generated
12/14/2022 8:10:11 AM

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

Client: Carmona Resources
Project/Site: MyCottonmouth 13 Fed Com #1H Flowline (12.5.22)

Laboratory Job ID: 880-22526-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
 (12.5.22)

Job ID: 880-22526-1
 SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
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
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.

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: MyCottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-22526-1
SDG: Eddy County, New Mexico

Job ID: 880-22526-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-22526-1****Receipt**

The samples were received on 12/9/2022 9:01 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 2.6°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-22523-A-4-D MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (3') (880-22526-4). 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: The surrogate recovery for the blank associated with preparation batch 880-41445 and analytical batch 880-41519 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-41445 and analytical batch 880-41519 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-41491 and analytical batch 880-41523 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-41523/5), (LCS 880-41491/2-A) and (LCSD 880-41491/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-41491 and analytical batch 880-41523 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples 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

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22526-1

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/09/22 14:34	12/12/22 15:05	1
Toluene	0.00316		0.00198		mg/Kg		12/09/22 14:34	12/12/22 15:05	1
Ethylbenzene	0.00220		0.00198		mg/Kg		12/09/22 14:34	12/12/22 15:05	1
m-Xylene & p-Xylene	0.0151		0.00396		mg/Kg		12/09/22 14:34	12/12/22 15:05	1
o-Xylene	0.00792		0.00198		mg/Kg		12/09/22 14:34	12/12/22 15:05	1
Xylenes, Total	0.0230		0.00396		mg/Kg		12/09/22 14:34	12/12/22 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/09/22 14:34	12/12/22 15:05	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/09/22 14:34	12/12/22 15:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0284		0.00396		mg/Kg			12/12/22 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	142		50.0		mg/Kg			12/12/22 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/12/22 02:16	1
Diesel Range Organics (Over C10-C28)	89.2		50.0		mg/Kg		12/09/22 11:06	12/12/22 02:16	1
Oil Range Organics (Over C28-C36)	52.5		50.0		mg/Kg		12/09/22 11:06	12/12/22 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	12/09/22 11:06	12/12/22 02:16	1
o-Terphenyl	105		70 - 130	12/09/22 11:06	12/12/22 02:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12000		101		mg/Kg			12/13/22 09:52	20

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-22526-2

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0108		0.00198		mg/Kg		12/09/22 14:34	12/12/22 15:25	1
Toluene	0.00914		0.00198		mg/Kg		12/09/22 14:34	12/12/22 15:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/22 14:34	12/12/22 15:25	1
m-Xylene & p-Xylene	0.00768		0.00396		mg/Kg		12/09/22 14:34	12/12/22 15:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/22 14:34	12/12/22 15:25	1
Xylenes, Total	0.00768		0.00396		mg/Kg		12/09/22 14:34	12/12/22 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	12/09/22 14:34	12/12/22 15:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-22526-2

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	86		70 - 130	12/09/22 14:34	12/12/22 15:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0276		0.00396		mg/Kg			12/12/22 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/22 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 02:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 02:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 02:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				12/09/22 11:06	12/12/22 02:36	1
o-Terphenyl	110		70 - 130				12/09/22 11:06	12/12/22 02:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9490		50.1		mg/Kg			12/13/22 09:59	10

Client Sample ID: S-1 (2')

Lab Sample ID: 880-22526-3

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/09/22 14:34	12/12/22 18:17	1
Toluene	0.00410		0.00199		mg/Kg		12/09/22 14:34	12/12/22 18:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/22 14:34	12/12/22 18:17	1
m-Xylene & p-Xylene	0.00923		0.00398		mg/Kg		12/09/22 14:34	12/12/22 18:17	1
o-Xylene	0.00429		0.00199		mg/Kg		12/09/22 14:34	12/12/22 18:17	1
Xylenes, Total	0.0135		0.00398		mg/Kg		12/09/22 14:34	12/12/22 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				12/09/22 14:34	12/12/22 18:17	1
1,4-Difluorobenzene (Surr)	87		70 - 130				12/09/22 14:34	12/12/22 18:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0176		0.00398		mg/Kg			12/13/22 11:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/22 10:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-22526-3

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 02:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 02:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 02:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				12/09/22 11:06	12/12/22 02:57	1
o-Terphenyl	122		70 - 130				12/09/22 11:06	12/12/22 02:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12800		100		mg/Kg			12/13/22 10:06	20

Client Sample ID: S-1 (3')

Lab Sample ID: 880-22526-4

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 18:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 18:37	1
Ethylbenzene	0.0124		0.00200		mg/Kg		12/09/22 14:34	12/12/22 18:37	1
m-Xylene & p-Xylene	0.0460		0.00401		mg/Kg		12/09/22 14:34	12/12/22 18:37	1
o-Xylene	0.0166		0.00200		mg/Kg		12/09/22 14:34	12/12/22 18:37	1
Xylenes, Total	0.0626		0.00401		mg/Kg		12/09/22 14:34	12/12/22 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130				12/09/22 14:34	12/12/22 18:37	1
1,4-Difluorobenzene (Surr)	86		70 - 130				12/09/22 14:34	12/12/22 18:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0750		0.00401		mg/Kg			12/13/22 11:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/22 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 03:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 03:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 03:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/09/22 11:06	12/12/22 03:17	1
o-Terphenyl	105		70 - 130				12/09/22 11:06	12/12/22 03:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: S-1 (3')

Lab Sample ID: 880-22526-4

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8610		99.2		mg/Kg			12/12/22 09:12	20

Client Sample ID: S-1 (4')

Lab Sample ID: 880-22526-5

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/09/22 14:34	12/12/22 18:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/22 14:34	12/12/22 18:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/22 14:34	12/12/22 18:57	1
m-Xylene & p-Xylene	0.00488		0.00402		mg/Kg		12/09/22 14:34	12/12/22 18:57	1
o-Xylene	0.00217		0.00201		mg/Kg		12/09/22 14:34	12/12/22 18:57	1
Xylenes, Total	0.00705		0.00402		mg/Kg		12/09/22 14:34	12/12/22 18:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/09/22 14:34	12/12/22 18:57	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/09/22 14:34	12/12/22 18:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00705		0.00402		mg/Kg			12/13/22 11:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/12/22 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/12/22 03:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/12/22 03:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/12/22 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	12/09/22 11:06	12/12/22 03:38	1
o-Terphenyl	109		70 - 130	12/09/22 11:06	12/12/22 03:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9670		99.2		mg/Kg			12/12/22 09:18	20

Client Sample ID: S-1 (5')

Lab Sample ID: 880-22526-6

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/09/22 14:34	12/12/22 19:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/09/22 14:34	12/12/22 19:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
 (12.5.22)

Job ID: 880-22526-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-1 (5')

Lab Sample ID: 880-22526-6

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/09/22 14:34	12/12/22 19:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/09/22 14:34	12/12/22 19:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/09/22 14:34	12/12/22 19:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/09/22 14:34	12/12/22 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	12/09/22 14:34	12/12/22 19:18	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/09/22 14:34	12/12/22 19:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/13/22 11:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/22 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 03:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 03:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 03:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/09/22 11:06	12/12/22 03:59	1
o-Terphenyl	110		70 - 130				12/09/22 11:06	12/12/22 03:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9530		101		mg/Kg			12/12/22 09:24	20

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

Lab Sample ID: 880-22526-7

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/09/22 14:34	12/12/22 19:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/22 14:34	12/12/22 19:38	1
Ethylbenzene	0.00215		0.00199		mg/Kg		12/09/22 14:34	12/12/22 19:38	1
m-Xylene & p-Xylene	0.00811		0.00398		mg/Kg		12/09/22 14:34	12/12/22 19:38	1
o-Xylene	0.00541		0.00199		mg/Kg		12/09/22 14:34	12/12/22 19:38	1
Xylenes, Total	0.0135		0.00398		mg/Kg		12/09/22 14:34	12/12/22 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/09/22 14:34	12/12/22 19:38	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/09/22 14:34	12/12/22 19:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22526-7

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0157		0.00398		mg/Kg			12/13/22 11:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/22 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 04:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 04:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 04:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				12/09/22 11:06	12/12/22 04:19	1
o-Terphenyl	116		70 - 130				12/09/22 11:06	12/12/22 04:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10500		99.2		mg/Kg			12/13/22 05:54	20

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-22526-8

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/09/22 14:34	12/12/22 19:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/22 14:34	12/12/22 19:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/22 14:34	12/12/22 19:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/22 14:34	12/12/22 19:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/22 14:34	12/12/22 19:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/22 14:34	12/12/22 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				12/09/22 14:34	12/12/22 19:59	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/09/22 14:34	12/12/22 19:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/13/22 11:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/12/22 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/12/22 04:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-22526-8

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/12/22 04:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/12/22 04:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/09/22 11:06	12/12/22 04:40	1
o-Terphenyl	109		70 - 130				12/09/22 11:06	12/12/22 04:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1870		24.9		mg/Kg			12/10/22 09:05	5

Client Sample ID: S-2 (2')

Lab Sample ID: 880-22526-9

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/09/22 14:34	12/12/22 20:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/22 14:34	12/12/22 20:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/22 14:34	12/12/22 20:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/22 14:34	12/12/22 20:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/22 14:34	12/12/22 20:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/22 14:34	12/12/22 20:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				12/09/22 14:34	12/12/22 20:19	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/09/22 14:34	12/12/22 20:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/13/22 11:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/22 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 05:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 05:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 05:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/09/22 11:06	12/12/22 05:00	1
o-Terphenyl	107		70 - 130				12/09/22 11:06	12/12/22 05:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	600		25.0		mg/Kg			12/10/22 09:25	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22526-10

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 20:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 20:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 20:40	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/09/22 14:34	12/12/22 20:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 20:40	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/09/22 14:34	12/12/22 20:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/09/22 14:34	12/12/22 20:40	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/09/22 14:34	12/12/22 20:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/13/22 11:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/22 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 05:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 05:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/09/22 11:06	12/12/22 05:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	12/09/22 11:06	12/12/22 05:21	1
o-Terphenyl	105		70 - 130	12/09/22 11:06	12/12/22 05:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2450		25.0		mg/Kg			12/10/22 09:32	5

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-22526-11

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/09/22 14:34	12/12/22 21:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/22 14:34	12/12/22 21:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/22 14:34	12/12/22 21:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/22 14:34	12/12/22 21:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/22 14:34	12/12/22 21:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/22 14:34	12/12/22 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/09/22 14:34	12/12/22 21:00	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/09/22 14:34	12/12/22 21:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-22526-11

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/13/22 11:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/22 12:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/09/22 14:59	12/11/22 18:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/09/22 14:59	12/11/22 18:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/09/22 14:59	12/11/22 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				12/09/22 14:59	12/11/22 18:32	1
o-Terphenyl	119		70 - 130				12/09/22 14:59	12/11/22 18:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	372		25.3		mg/Kg			12/10/22 09:38	5

Client Sample ID: S-3 (2')

Lab Sample ID: 880-22526-12

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/09/22 14:34	12/12/22 21:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/22 14:34	12/12/22 21:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/22 14:34	12/12/22 21:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/22 14:34	12/12/22 21:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/22 14:34	12/12/22 21:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/22 14:34	12/12/22 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				12/09/22 14:34	12/12/22 21:20	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/09/22 14:34	12/12/22 21:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/13/22 11:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/12/22 12:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/09/22 14:59	12/11/22 18:55	1

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Client Sample Results

Client: Carmona Resources
Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

Job ID: 880-22526-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (2')
Date Collected: 12/07/22 00:00
Date Received: 12/09/22 09:01

Lab Sample ID: 880-22526-12
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/09/22 14:59	12/11/22 18:55	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/09/22 14:59	12/11/22 18:55	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	121		70 - 130				12/09/22 14:59	12/11/22 18:55	1	
o-Terphenyl	119		70 - 130				12/09/22 14:59	12/11/22 18:55	1	

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	312		25.0		mg/Kg			12/10/22 09:45	5	

Surrogate Summary

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-22523-A-4-D MS	Matrix Spike	139 S1+	100
880-22523-A-4-E MSD	Matrix Spike Duplicate	91	92
880-22526-1	S-1 (0-1')	124	103
880-22526-2	S-1 (1.5')	85	86
880-22526-3	S-1 (2')	89	87
880-22526-4	S-1 (3')	63 S1-	86
880-22526-5	S-1 (4')	101	93
880-22526-6	S-1 (5')	93	94
880-22526-7	S-2 (0-1')	106	102
880-22526-8	S-2 (1.5')	97	96
880-22526-9	S-2 (2')	127	99
880-22526-10	S-3 (0-1')	119	105
880-22526-11	S-3 (1.5')	105	97
880-22526-12	S-3 (2')	92	105
LCS 880-41490/1-A	Lab Control Sample	102	107
LCSD 880-41490/2-A	Lab Control Sample Dup	116	94
MB 880-41490/5-A	Method Blank	74	99
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)
880-22524-A-1-C MS	Matrix Spike	91	87
880-22524-A-1-D MSD	Matrix Spike Duplicate	84	81
880-22526-1	S-1 (0-1')	101	105
880-22526-2	S-1 (1.5')	104	110
880-22526-3	S-1 (2')	115	122
880-22526-4	S-1 (3')	100	105
880-22526-5	S-1 (4')	102	109
880-22526-6	S-1 (5')	103	110
880-22526-7	S-2 (0-1')	106	116
880-22526-8	S-2 (1.5')	102	109
880-22526-9	S-2 (2')	103	107
880-22526-10	S-3 (0-1')	101	105
880-22526-11	S-3 (1.5')	124	119
880-22526-12	S-3 (2')	121	119
880-22554-A-1-B MS	Matrix Spike	104	83
880-22554-A-1-C MSD	Matrix Spike Duplicate	109	86
LCS 880-41445/2-A	Lab Control Sample	91	96
LCS 880-41491/2-A	Lab Control Sample	147 S1+	136 S1+
LCSD 880-41445/3-A	Lab Control Sample Dup	86	89
LCSD 880-41491/3-A	Lab Control Sample Dup	144 S1+	136 S1+
MB 880-41445/1-A	Method Blank	126	189 S1+

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Surrogate Summary

Client: Carmona Resources

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-22526-1

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-41491/1-A	Method Blank	113	151 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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

QC Sample Results

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-41490/5-A

Matrix: Solid

Analysis Batch: 41566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 12:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 12:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 12:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/22 14:34	12/12/22 12:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/22 14:34	12/12/22 12:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/22 14:34	12/12/22 12:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	12/09/22 14:34	12/12/22 12:54	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/09/22 14:34	12/12/22 12:54	1

Lab Sample ID: LCS 880-41490/1-A

Matrix: Solid

Analysis Batch: 41566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1116		mg/Kg		112	70 - 130
Toluene	0.100	0.09010		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09123		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1896		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09133		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-41490/2-A

Matrix: Solid

Analysis Batch: 41566

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41490

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09186		mg/Kg		92	70 - 130	19	35
Toluene	0.100	0.08633		mg/Kg		86	70 - 130	4	35
Ethylbenzene	0.100	0.09686		mg/Kg		97	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2153		mg/Kg		108	70 - 130	13	35
o-Xylene	0.100	0.1034		mg/Kg		103	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-22523-A-4-D MS

Matrix: Solid

Analysis Batch: 41566

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 41490

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.101	0.09097		mg/Kg		90	70 - 130

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QC Sample Results

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22523-A-4-D MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 41566

Prep Batch: 41490

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00200	U	0.101	0.08690		mg/Kg		85	70 - 130
Ethylbenzene	<0.00200	U	0.101	0.09694		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.0109		0.202	0.2181		mg/Kg		103	70 - 130
o-Xylene	0.00670		0.101	0.1080		mg/Kg		100	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 880-22523-A-4-E MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 41566

Prep Batch: 41490

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.07915		mg/Kg		80	70 - 130	14	35
Toluene	<0.00200	U	0.0990	0.07607		mg/Kg		76	70 - 130	13	35
Ethylbenzene	<0.00200	U	0.0990	0.08111		mg/Kg		80	70 - 130	18	35
m-Xylene & p-Xylene	0.0109		0.198	0.1721		mg/Kg		81	70 - 130	24	35
o-Xylene	0.00670		0.0990	0.08155		mg/Kg		76	70 - 130	28	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	91		70 - 130								
1,4-Difluorobenzene (Surr)	92		70 - 130								

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

Lab Sample ID: MB 880-41445/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 41519

Prep Batch: 41445

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		12/09/22 11:06	12/11/22 20:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/11/22 20:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/09/22 11:06	12/11/22 20:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				12/09/22 11:06	12/11/22 20:42	1
o-Terphenyl	189	S1+	70 - 130				12/09/22 11:06	12/11/22 20:42	1

Lab Sample ID: LCS 880-41445/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 41519

Prep Batch: 41445

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

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QC Sample Results

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-41445/2-A

Matrix: Solid

Analysis Batch: 41519

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41445

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics (Over C10-C28)			1000	991.9		mg/Kg		99	70 - 130		
			LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	91		70 - 130								
o-Terphenyl	96		70 - 130								

Lab Sample ID: LCSD 880-41445/3-A

Matrix: Solid

Analysis Batch: 41519

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41445

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	894.4		mg/Kg		89	70 - 130	15	20
Diesel Range Organics (Over C10-C28)			1000	905.6		mg/Kg		91	70 - 130	9	20

Lab Sample ID: 880-22524-A-1-C MS

Matrix: Solid

Analysis Batch: 41519

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 41445

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	999	1403	F1	mg/Kg		137	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	741.0		mg/Kg		73	70 - 130		

Lab Sample ID: 880-22524-A-1-D MSD

Matrix: Solid

Analysis Batch: 41519

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 41445

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	997	858.8	F2	mg/Kg		82	70 - 130	48	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	717.4		mg/Kg		70	70 - 130	3	20

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QC Sample Results

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-41491/1-A

Matrix: Solid

Analysis Batch: 41523

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41491

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		12/09/22 14:59	12/11/22 09:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/09/22 14:59	12/11/22 09:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/09/22 14:59	12/11/22 09:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	12/09/22 14:59	12/11/22 09:16	1
o-Terphenyl	151	S1+	70 - 130	12/09/22 14:59	12/11/22 09:16	1

Lab Sample ID: LCS 880-41491/2-A

Matrix: Solid

Analysis Batch: 41523

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	869.9		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1019		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	147	S1+	70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: LCSD 880-41491/3-A

Matrix: Solid

Analysis Batch: 41523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41491

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	857.3		mg/Kg		86	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	969.5		mg/Kg		97	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	144	S1+	70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: 880-22554-A-1-B MS

Matrix: Solid

Analysis Batch: 41523

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 41491

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	824.4		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	943.6		mg/Kg		93	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
 (12.5.22)

Job ID: 880-22526-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22554-A-1-B MS

Matrix: Solid

Analysis Batch: 41523

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 41491

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: 880-22554-A-1-C MSD

Matrix: Solid

Analysis Batch: 41523

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 41491

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1006		mg/Kg		99	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	988.5		mg/Kg		97	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	109		70 - 130								
o-Terphenyl	86		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41433/1-A

Matrix: Solid

Analysis Batch: 41532

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			12/10/22 08:45	1

Lab Sample ID: LCS 880-41433/2-A

Matrix: Solid

Analysis Batch: 41532

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.9		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-41433/3-A

Matrix: Solid

Analysis Batch: 41532

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	261.5		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-22526-8 MS

Matrix: Solid

Analysis Batch: 41532

Client Sample ID: S-2 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1870		1250	3169		mg/Kg		104	90 - 110

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
 (12.5.22)

Job ID: 880-22526-1
 SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-22526-8 MSD

Matrix: Solid

Analysis Batch: 41537

Client Sample ID: S-2 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1870		1250	3183		mg/Kg		105	90 - 110	0	20

Lab Sample ID: MB 880-41428/1-A

Matrix: Solid

Analysis Batch: 41537

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			12/12/22 00:51	1

Lab Sample ID: LCS 880-41428/2-A

Matrix: Solid

Analysis Batch: 41537

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.0		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-41428/3-A

Matrix: Solid

Analysis Batch: 41537

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	262.7		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-22523-A-1-B MS

Matrix: Solid

Analysis Batch: 41537

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	2680		5010	7833		mg/Kg		103	90 - 110

Lab Sample ID: 880-22523-A-1-C MSD

Matrix: Solid

Analysis Batch: 41537

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	2680		5010	7838		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-41656/1-A

Matrix: Solid

Analysis Batch: 41690

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			12/13/22 04:05	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-41656/2-A

Matrix: Solid

Analysis Batch: 41690

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.9		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-41656/3-A

Matrix: Solid

Analysis Batch: 41690

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	267.2		mg/Kg		107	90 - 110	5	20

Lab Sample ID: 880-22274-A-4-F MS

Matrix: Solid

Analysis Batch: 41690

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	46.6		1250	1365		mg/Kg		105	90 - 110

Lab Sample ID: 880-22274-A-4-G MSD

Matrix: Solid

Analysis Batch: 41690

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	46.6		1250	1383		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 880-22511-A-2-C MS

Matrix: Solid

Analysis Batch: 41690

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	144		248	398.0		mg/Kg		102	90 - 110

Lab Sample ID: 880-22511-A-2-D MSD

Matrix: Solid

Analysis Batch: 41690

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	144		248	396.9		mg/Kg		102	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 41490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-1	S-1 (0-1')	Total/NA	Solid	5035	
880-22526-2	S-1 (1.5')	Total/NA	Solid	5035	
880-22526-3	S-1 (2')	Total/NA	Solid	5035	
880-22526-4	S-1 (3')	Total/NA	Solid	5035	
880-22526-5	S-1 (4')	Total/NA	Solid	5035	
880-22526-6	S-1 (5')	Total/NA	Solid	5035	
880-22526-7	S-2 (0-1')	Total/NA	Solid	5035	
880-22526-8	S-2 (1.5')	Total/NA	Solid	5035	
880-22526-9	S-2 (2')	Total/NA	Solid	5035	
880-22526-10	S-3 (0-1')	Total/NA	Solid	5035	
880-22526-11	S-3 (1.5')	Total/NA	Solid	5035	
880-22526-12	S-3 (2')	Total/NA	Solid	5035	
MB 880-41490/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41490/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41490/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22523-A-4-D MS	Matrix Spike	Total/NA	Solid	5035	
880-22523-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 41566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-1	S-1 (0-1')	Total/NA	Solid	8021B	41490
880-22526-2	S-1 (1.5')	Total/NA	Solid	8021B	41490
880-22526-3	S-1 (2')	Total/NA	Solid	8021B	41490
880-22526-4	S-1 (3')	Total/NA	Solid	8021B	41490
880-22526-5	S-1 (4')	Total/NA	Solid	8021B	41490
880-22526-6	S-1 (5')	Total/NA	Solid	8021B	41490
880-22526-7	S-2 (0-1')	Total/NA	Solid	8021B	41490
880-22526-8	S-2 (1.5')	Total/NA	Solid	8021B	41490
880-22526-9	S-2 (2')	Total/NA	Solid	8021B	41490
880-22526-10	S-3 (0-1')	Total/NA	Solid	8021B	41490
880-22526-11	S-3 (1.5')	Total/NA	Solid	8021B	41490
880-22526-12	S-3 (2')	Total/NA	Solid	8021B	41490
MB 880-41490/5-A	Method Blank	Total/NA	Solid	8021B	41490
LCS 880-41490/1-A	Lab Control Sample	Total/NA	Solid	8021B	41490
LCSD 880-41490/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41490
880-22523-A-4-D MS	Matrix Spike	Total/NA	Solid	8021B	41490
880-22523-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	41490

Analysis Batch: 41677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-22526-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-22526-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-22526-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-22526-5	S-1 (4')	Total/NA	Solid	Total BTEX	
880-22526-6	S-1 (5')	Total/NA	Solid	Total BTEX	
880-22526-7	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-22526-8	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-22526-9	S-2 (2')	Total/NA	Solid	Total BTEX	
880-22526-10	S-3 (0-1')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 41677 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-11	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-22526-12	S-3 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-22526-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-22526-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-22526-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-22526-5	S-1 (4')	Total/NA	Solid	8015NM Prep	
880-22526-6	S-1 (5')	Total/NA	Solid	8015NM Prep	
880-22526-7	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-22526-8	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-22526-9	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-22526-10	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-41445/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41445/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41445/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22524-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-22524-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 41491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-11	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-22526-12	S-3 (2')	Total/NA	Solid	8015NM Prep	
MB 880-41491/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41491/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41491/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22554-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-22554-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-1	S-1 (0-1')	Total/NA	Solid	8015B NM	41445
880-22526-2	S-1 (1.5')	Total/NA	Solid	8015B NM	41445
880-22526-3	S-1 (2')	Total/NA	Solid	8015B NM	41445
880-22526-4	S-1 (3')	Total/NA	Solid	8015B NM	41445
880-22526-5	S-1 (4')	Total/NA	Solid	8015B NM	41445
880-22526-6	S-1 (5')	Total/NA	Solid	8015B NM	41445
880-22526-7	S-2 (0-1')	Total/NA	Solid	8015B NM	41445
880-22526-8	S-2 (1.5')	Total/NA	Solid	8015B NM	41445
880-22526-9	S-2 (2')	Total/NA	Solid	8015B NM	41445
880-22526-10	S-3 (0-1')	Total/NA	Solid	8015B NM	41445
MB 880-41445/1-A	Method Blank	Total/NA	Solid	8015B NM	41445
LCS 880-41445/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41445
LCSD 880-41445/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41445
880-22524-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	41445
880-22524-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	41445

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 41523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-11	S-3 (1.5')	Total/NA	Solid	8015B NM	41491
880-22526-12	S-3 (2')	Total/NA	Solid	8015B NM	41491
MB 880-41491/1-A	Method Blank	Total/NA	Solid	8015B NM	41491
LCS 880-41491/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41491
LCSD 880-41491/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41491
880-22554-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	41491
880-22554-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	41491

Analysis Batch: 41621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-22526-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-22526-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-22526-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-22526-5	S-1 (4')	Total/NA	Solid	8015 NM	
880-22526-6	S-1 (5')	Total/NA	Solid	8015 NM	
880-22526-7	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-22526-8	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-22526-9	S-2 (2')	Total/NA	Solid	8015 NM	
880-22526-10	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-22526-11	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-22526-12	S-3 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 41428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-4	S-1 (3')	Soluble	Solid	DI Leach	
880-22526-5	S-1 (4')	Soluble	Solid	DI Leach	
880-22526-6	S-1 (5')	Soluble	Solid	DI Leach	
MB 880-41428/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41428/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41428/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22523-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-22523-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 41433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-8	S-2 (1.5')	Soluble	Solid	DI Leach	
880-22526-9	S-2 (2')	Soluble	Solid	DI Leach	
880-22526-10	S-3 (0-1')	Soluble	Solid	DI Leach	
880-22526-11	S-3 (1.5')	Soluble	Solid	DI Leach	
880-22526-12	S-3 (2')	Soluble	Solid	DI Leach	
MB 880-41433/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41433/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41433/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22526-8 MS	S-2 (1.5')	Soluble	Solid	DI Leach	
880-22526-8 MSD	S-2 (1.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

HPLC/IC

Analysis Batch: 41532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-8	S-2 (1.5')	Soluble	Solid	300.0	41433
880-22526-9	S-2 (2')	Soluble	Solid	300.0	41433
880-22526-10	S-3 (0-1')	Soluble	Solid	300.0	41433
880-22526-11	S-3 (1.5')	Soluble	Solid	300.0	41433
880-22526-12	S-3 (2')	Soluble	Solid	300.0	41433
MB 880-41433/1-A	Method Blank	Soluble	Solid	300.0	41433
LCS 880-41433/2-A	Lab Control Sample	Soluble	Solid	300.0	41433
LCSD 880-41433/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41433
880-22526-8 MS	S-2 (1.5')	Soluble	Solid	300.0	41433
880-22526-8 MSD	S-2 (1.5')	Soluble	Solid	300.0	41433

Analysis Batch: 41537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-4	S-1 (3')	Soluble	Solid	300.0	41428
880-22526-5	S-1 (4')	Soluble	Solid	300.0	41428
880-22526-6	S-1 (5')	Soluble	Solid	300.0	41428
MB 880-41428/1-A	Method Blank	Soluble	Solid	300.0	41428
LCS 880-41428/2-A	Lab Control Sample	Soluble	Solid	300.0	41428
LCSD 880-41428/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41428
880-22523-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	41428
880-22523-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	41428

Leach Batch: 41656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-22526-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-22526-3	S-1 (2')	Soluble	Solid	DI Leach	
880-22526-7	S-2 (0-1')	Soluble	Solid	DI Leach	
MB 880-41656/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41656/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41656/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22274-A-4-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-22274-A-4-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-22511-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-22511-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 41690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22526-1	S-1 (0-1')	Soluble	Solid	300.0	41656
880-22526-2	S-1 (1.5')	Soluble	Solid	300.0	41656
880-22526-3	S-1 (2')	Soluble	Solid	300.0	41656
880-22526-7	S-2 (0-1')	Soluble	Solid	300.0	41656
MB 880-41656/1-A	Method Blank	Soluble	Solid	300.0	41656
LCS 880-41656/2-A	Lab Control Sample	Soluble	Solid	300.0	41656
LCSD 880-41656/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41656
880-22274-A-4-F MS	Matrix Spike	Soluble	Solid	300.0	41656
880-22274-A-4-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	41656
880-22511-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	41656
880-22511-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	41656

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

Job ID: 880-22526-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22526-1

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 15:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41677	12/12/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			41621	12/12/22 10:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/12/22 02:16	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41656	12/12/22 15:12	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	41690	12/13/22 09:52	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-22526-2

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 15:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41677	12/12/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			41621	12/12/22 10:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/12/22 02:36	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41656	12/12/22 15:12	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	41690	12/13/22 09:59	CH	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-22526-3

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41677	12/13/22 11:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			41621	12/12/22 10:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/12/22 02:57	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41656	12/12/22 15:12	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	41690	12/13/22 10:06	CH	EET MID

Client Sample ID: S-1 (3')

Lab Sample ID: 880-22526-4

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 18:37	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: S-1 (3')

Lab Sample ID: 880-22526-4

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total BTEX		1			41677	12/13/22 11:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			41621	12/12/22 10:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/12/22 03:17	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41428	12/09/22 09:55	KS	EET MID
Soluble	Analysis	300.0		20			41537	12/12/22 09:12	CH	EET MID

Client Sample ID: S-1 (4')

Lab Sample ID: 880-22526-5

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 18:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41677	12/13/22 11:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			41621	12/12/22 10:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/12/22 03:38	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41428	12/09/22 09:55	KS	EET MID
Soluble	Analysis	300.0		20			41537	12/12/22 09:18	CH	EET MID

Client Sample ID: S-1 (5')

Lab Sample ID: 880-22526-6

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41677	12/13/22 11:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			41621	12/12/22 10:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/12/22 03:59	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41428	12/09/22 09:55	KS	EET MID
Soluble	Analysis	300.0		20			41537	12/12/22 09:24	CH	EET MID

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

Lab Sample ID: 880-22526-7

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 19:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41677	12/13/22 11:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			41621	12/12/22 10:36	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

Job ID: 880-22526-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22526-7

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/12/22 04:19	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41656	12/12/22 15:12	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	41690	12/13/22 05:54	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-22526-8

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 19:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41677	12/13/22 11:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			41621	12/12/22 10:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/12/22 04:40	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41433	12/09/22 10:42	KS	EET MID
Soluble	Analysis	300.0		5			41532	12/10/22 09:05	CH	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-22526-9

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 20:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41677	12/13/22 11:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			41621	12/12/22 10:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/12/22 05:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41433	12/09/22 10:42	KS	EET MID
Soluble	Analysis	300.0		5			41532	12/10/22 09:25	CH	EET MID

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

Lab Sample ID: 880-22526-10

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 20:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41677	12/13/22 11:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			41621	12/12/22 10:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41445	12/09/22 11:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41519	12/12/22 05:21	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
 (12.5.22)

Job ID: 880-22526-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22526-10

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41433	12/09/22 10:42	KS	EET MID
Soluble	Analysis	300.0		5			41532	12/10/22 09:32	CH	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-22526-11

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 21:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41677	12/13/22 11:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			41621	12/12/22 12:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41491	12/09/22 14:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41523	12/11/22 18:32	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41433	12/09/22 10:42	KS	EET MID
Soluble	Analysis	300.0		5			41532	12/10/22 09:38	CH	EET MID

Client Sample ID: S-3 (2')

Lab Sample ID: 880-22526-12

Date Collected: 12/07/22 00:00

Matrix: Solid

Date Received: 12/09/22 09:01

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	41490	12/09/22 14:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41566	12/12/22 21:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41677	12/13/22 11:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			41621	12/12/22 12:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41491	12/09/22 14:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41523	12/11/22 18:55	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41433	12/09/22 10:42	KS	EET MID
Soluble	Analysis	300.0		5			41532	12/10/22 09:45	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

Job ID: 880-22526-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

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

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

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

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

Method Summary

Client: Carmona Resources

Job ID: 880-22526-1

Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: MyCottonmouth 13 Fed Com #1H Flowline
(12.5.22)

Job ID: 880-22526-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22526-1	S-1 (0-1')	Solid	12/07/22 00:00	12/09/22 09:01
880-22526-2	S-1 (1.5')	Solid	12/07/22 00:00	12/09/22 09:01
880-22526-3	S-1 (2')	Solid	12/07/22 00:00	12/09/22 09:01
880-22526-4	S-1 (3')	Solid	12/07/22 00:00	12/09/22 09:01
880-22526-5	S-1 (4')	Solid	12/07/22 00:00	12/09/22 09:01
880-22526-6	S-1 (5')	Solid	12/07/22 00:00	12/09/22 09:01
880-22526-7	S-2 (0-1')	Solid	12/07/22 00:00	12/09/22 09:01
880-22526-8	S-2 (1.5')	Solid	12/07/22 00:00	12/09/22 09:01
880-22526-9	S-2 (2')	Solid	12/07/22 00:00	12/09/22 09:01
880-22526-10	S-3 (0-1')	Solid	12/07/22 00:00	12/09/22 09:01
880-22526-11	S-3 (1.5')	Solid	12/07/22 00:00	12/09/22 09:01
880-22526-12	S-3 (2')	Solid	12/07/22 00:00	12/09/22 09:01

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

Work Order No: 20520

Page 1 of 2

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 88258
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com

Work Order Comments	
Program: UST/PST ☐ RRP ☐ Rowfields ☐ RC ☐ Fund	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name	Cottonmouth 13 Fed Com #1H Flowline (12 5 22)	Turn Around	☐ Routine ☒ Rush	48 Hrs	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number	1199																	None NO	DI Water H ₂ O	
Project Location	Eddy County, New Mexico	Due Date																Cool Cool	MeOH Me	
Sampler's Name	MM																	HCL HC	HNO ₃ HN	
PO #																		H ₂ SO ₄ H ₂	NaOH Na	
SAMPLE RECEIPT	Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐														H ₃ PO ₄ HP		
Received Intact:	Yes ☒ No ☐	Thermometer ID																NaHSO ₄ NABIS		
Cooler Custody Seals	Yes ☒ No ☐	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	
S-1 (0-1')	12/7/2022		X		G	1	X	X	X								402			
S-1 (1-5')	12/7/2022		X		G	1	X	X	X											
S-1 (2')	12/7/2022		X		G	1	X	X	X											
S-1 (3')	12/7/2022		X		G	1	X	X	X											
S-1 (4')	12/7/2022		X		G	1	X	X	X											
S-1 (5')	12/7/2022		X		G	1	X	X	X											
S-2 (0-1')	12/7/2022		X		G	1	X	X	X											
S-2 (1-5')	12/7/2022		X		G	1	X	X	X											
S-2 (2')	12/7/2022		X		G	1	X	X	X											
S-3 (0-1')	12/7/2022		X		G	1	X	X	X											

Comments: Email to Mike Carmona / Mearmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	12/9/22 901		



880-22526 Chain of Custody

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 88258
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com

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

Work Order No: 22526

ANALYSIS REQUEST										Preservative Codes	
Project Name		Cottonmouth 13 Fed Com #1H Flowline (12.5.22)		Turn Around		Pres. Code					
Project Number	1199	☐ Routine ☒ Rush									
Project Location	Eddy County, New Mexico	Due Date	48 Hrs								
Sampler's Name	MM1										
PO #:											
SAMPLE RECEIPT		Temp Blank	Yes	No	Wet Ice	Yes	No	Parameters BTX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0			
Received Intact:		Yes	No	Thermometer ID							
Cooler Custody Seals		Yes	No	N/A	Correction Factor						
Sample Custody Seals:		Yes	No	N/A	Temperature Reading						
Total Containers:				Corrected Temperature							
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont				
S-3 (1 5')		12/7/2022		X		G	1				
S-3 (2')		12/7/2022		X		G	1				
								</			

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	2/9/22 9:01		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22526-1

SDG Number: Eddy County, New Mexico

Login Number: 22526

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/6/2023 6:13:33 PM

JOB DESCRIPTION

Cottonmouth 13 Fed Com #1H Flowline (12.5.22)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-23350-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

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

Authorization

Generated
1/6/2023 6:13:33 PM

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

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Laboratory Job ID: 880-23350-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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.

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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-23350-1
SDG: Eddy County, New Mexico

Job ID: 880-23350-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-23350-1

Receipt

The samples were received on 1/5/2023 11:16 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 0.8°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (6') (880-23350-1), CS-2 (6') (880-23350-2), CS-3 (2') (880-23350-3), CS-4 (2') (880-23350-4), CS-5 (2') (880-23350-5), CS-6 (2') (880-23350-6), CS-7 (2') (880-23350-7), CS-8 (1.5') (880-23350-8), CS-9 (1.5') (880-23350-9), CS-10 (1.5') (880-23350-10), SW-1 (6') (880-23350-11), SW-2 (6') (880-23350-12), SW-3 (6') (880-23350-13), SW-4 (4') (880-23350-14), SW-5 (4') (880-23350-15), SW-6 (2') (880-23350-16), SW-7 (2') (880-23350-17), SW-8 (0.5') (880-23350-18), SW-9 (2') (880-23350-19), SW-10 (1.5') (880-23350-20), SW-11 (1.5') (880-23350-21), SW-12 (1.5') (880-23350-22), SW-13 (1.5') (880-23350-23), SW-14 (1.5') (880-23350-24), SW-15 (1.5') (880-23350-25) and SW-16 (1.5') (880-23350-26).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-43253 and analytical batch 880-43200 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-43254 and analytical batch 880-43201 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-3757-A-1-B). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-11 (1.5') (880-23350-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-13 (1.5') (880-23350-23), SW-15 (1.5') (880-23350-25) and SW-16 (1.5') (880-23350-26). 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43208 and 880-43208 and analytical batch 880-43279 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43256 and 880-43256 and analytical batch 880-43281 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-43075 and analytical batch 880-43283 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because

Case Narrative

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-23350-1
SDG: Eddy County, New Mexico

Job ID: 880-23350-1 (Continued)

Laboratory: Eurofins Midland (Continued)

the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (6')

Lab Sample ID: 880-23350-1

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 02:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 02:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 02:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/05/23 11:29	01/06/23 02:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 02:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/05/23 11:29	01/06/23 02:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	01/05/23 11:29	01/06/23 02:07	1
1,4-Difluorobenzene (Surr)	104		70 - 130	01/05/23 11:29	01/06/23 02:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/06/23 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/05/23 20:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/05/23 20:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/05/23 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	01/05/23 11:38	01/05/23 20:51	1
o-Terphenyl	152	S1+	70 - 130	01/05/23 11:38	01/05/23 20:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U F1	5.02		mg/Kg			01/06/23 09:44	1

Client Sample ID: CS-2 (6')

Lab Sample ID: 880-23350-2

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 02:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 02:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 02:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/23 11:29	01/06/23 02:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 02:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/23 11:29	01/06/23 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	01/05/23 11:29	01/06/23 02:27	1
1,4-Difluorobenzene (Surr)	108		70 - 130	01/05/23 11:29	01/06/23 02:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (6')

Lab Sample ID: 880-23350-2

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/23 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/05/23 21:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/05/23 21:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/05/23 21:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				01/05/23 11:38	01/05/23 21:55	1
o-Terphenyl	100		70 - 130				01/05/23 11:38	01/05/23 21:55	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			01/06/23 09:59	1

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-23350-3

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 02:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 02:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 02:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/23 11:29	01/06/23 02:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 02:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/23 11:29	01/06/23 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				01/05/23 11:29	01/06/23 02:48	1
1,4-Difluorobenzene (Surr)	111		70 - 130				01/05/23 11:29	01/06/23 02:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/23 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/05/23 22:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/05/23 22:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-23350-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-23350-3

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/05/23 22:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				01/05/23 11:38	01/05/23 22:16	1
o-Terphenyl	140	S1+	70 - 130				01/05/23 11:38	01/05/23 22:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	319		4.99		mg/Kg			01/06/23 10:04	1

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-23350-4

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 03:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 03:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 03:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/05/23 11:29	01/06/23 03:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 03:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/05/23 11:29	01/06/23 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				01/05/23 11:29	01/06/23 03:08	1
1,4-Difluorobenzene (Surr)	108		70 - 130				01/05/23 11:29	01/06/23 03:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/06/23 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/05/23 11:38	01/05/23 22:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/05/23 11:38	01/05/23 22:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/05/23 11:38	01/05/23 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				01/05/23 11:38	01/05/23 22:38	1
o-Terphenyl	148	S1+	70 - 130				01/05/23 11:38	01/05/23 22:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		5.05		mg/Kg			01/06/23 10:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (2')

Lab Sample ID: 880-23350-5

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 03:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 03:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 03:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/05/23 11:29	01/06/23 03:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 03:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/05/23 11:29	01/06/23 03:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	01/05/23 11:29	01/06/23 03:29	1
1,4-Difluorobenzene (Surr)	107		70 - 130	01/05/23 11:29	01/06/23 03:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/06/23 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/05/23 22:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/05/23 22:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/05/23 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	01/05/23 11:38	01/05/23 22:59	1
o-Terphenyl	146	S1+	70 - 130	01/05/23 11:38	01/05/23 22:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	361		5.04		mg/Kg			01/06/23 10:14	1

Client Sample ID: CS-6 (2')

Lab Sample ID: 880-23350-6

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:29	01/06/23 05:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:29	01/06/23 05:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:29	01/06/23 05:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/05/23 11:29	01/06/23 05:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:29	01/06/23 05:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/05/23 11:29	01/06/23 05:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	01/05/23 11:29	01/06/23 05:18	1
1,4-Difluorobenzene (Surr)	109		70 - 130	01/05/23 11:29	01/06/23 05:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (2')

Lab Sample ID: 880-23350-6

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/06/23 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/05/23 23:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/05/23 23:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/05/23 23:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				01/05/23 11:38	01/05/23 23:21	1
o-Terphenyl	115		70 - 130				01/05/23 11:38	01/05/23 23:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	296		25.0		mg/Kg			01/06/23 10:29	5

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-23350-7

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/05/23 11:29	01/06/23 05:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/05/23 11:29	01/06/23 05:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/05/23 11:29	01/06/23 05:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/05/23 11:29	01/06/23 05:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/05/23 11:29	01/06/23 05:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/05/23 11:29	01/06/23 05:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				01/05/23 11:29	01/06/23 05:39	1
1,4-Difluorobenzene (Surr)	107		70 - 130				01/05/23 11:29	01/06/23 05:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/06/23 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/05/23 23:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/05/23 23:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-23350-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-23350-7

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/05/23 23:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				01/05/23 11:38	01/05/23 23:42	1
o-Terphenyl	152	S1+	70 - 130				01/05/23 11:38	01/05/23 23:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	337		5.00		mg/Kg			01/06/23 10:34	1

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-23350-8

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/05/23 11:29	01/06/23 05:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/05/23 11:29	01/06/23 05:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/05/23 11:29	01/06/23 05:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/05/23 11:29	01/06/23 05:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/05/23 11:29	01/06/23 05:59	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/05/23 11:29	01/06/23 05:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				01/05/23 11:29	01/06/23 05:59	1
1,4-Difluorobenzene (Surr)	108		70 - 130				01/05/23 11:29	01/06/23 05:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/06/23 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 00:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 00:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 00:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				01/05/23 11:38	01/06/23 00:03	1
o-Terphenyl	160	S1+	70 - 130				01/05/23 11:38	01/06/23 00:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	337		5.03		mg/Kg			01/06/23 10:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-23350-9

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 06:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 06:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 06:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/23 11:29	01/06/23 06:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 06:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/23 11:29	01/06/23 06:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/05/23 11:29	01/06/23 06:20	1
1,4-Difluorobenzene (Surr)	107		70 - 130	01/05/23 11:29	01/06/23 06:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/23 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/06/23 07:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/06/23 07:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/06/23 07:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	9	S1-	70 - 130	01/05/23 11:38	01/06/23 00:22	1
1-Chlorooctane	214	S1+	70 - 130	01/05/23 11:38	01/06/23 07:17	1
o-Terphenyl	10	S1-	70 - 130	01/05/23 11:38	01/06/23 00:22	1
o-Terphenyl	259	S1+	70 - 130	01/05/23 11:38	01/06/23 07:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182		25.1		mg/Kg			01/06/23 10:44	5

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-23350-10

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 06:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 06:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 06:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/05/23 11:29	01/06/23 06:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 06:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/05/23 11:29	01/06/23 06:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	01/05/23 11:29	01/06/23 06:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-23350-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-23350-10

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	108		70 - 130	01/05/23 11:29	01/06/23 06:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/06/23 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 01:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 01:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 01:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				01/05/23 11:38	01/06/23 01:30	1
o-Terphenyl	147	S1+	70 - 130				01/05/23 11:38	01/06/23 01:30	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		24.9		mg/Kg			01/06/23 10:49	5

Client Sample ID: SW-1 (6')

Lab Sample ID: 880-23350-11

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 07:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 07:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 07:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/23 11:29	01/06/23 07:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 07:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/23 11:29	01/06/23 07:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				01/05/23 11:29	01/06/23 07:00	1
1,4-Difluorobenzene (Surr)	109		70 - 130				01/05/23 11:29	01/06/23 07:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/23 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 11:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (6')

Lab Sample ID: 880-23350-11

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 02:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 02:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 02:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				01/05/23 11:38	01/06/23 02:12	1
o-Terphenyl	162	S1+	70 - 130				01/05/23 11:38	01/06/23 02:12	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U F1	4.96		mg/Kg			01/06/23 10:54	1

Client Sample ID: SW-2 (6')

Lab Sample ID: 880-23350-12

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 07:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 07:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 07:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/23 11:29	01/06/23 07:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 07:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/23 11:29	01/06/23 07:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				01/05/23 11:29	01/06/23 07:21	1
1,4-Difluorobenzene (Surr)	111		70 - 130				01/05/23 11:29	01/06/23 07:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/23 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/05/23 11:38	01/06/23 02:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/05/23 11:38	01/06/23 02:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/05/23 11:38	01/06/23 02:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				01/05/23 11:38	01/06/23 02:33	1
o-Terphenyl	156	S1+	70 - 130				01/05/23 11:38	01/06/23 02:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-2 (6')

Lab Sample ID: 880-23350-12

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

Method: MCAWW 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			01/06/23 11:09	1

Client Sample ID: SW-3 (6')

Lab Sample ID: 880-23350-13

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 07:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 07:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 07:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/05/23 11:29	01/06/23 07:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 07:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/05/23 11:29	01/06/23 07:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/05/23 11:29	01/06/23 07:41	1
1,4-Difluorobenzene (Surr)	111		70 - 130	01/05/23 11:29	01/06/23 07:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/06/23 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/06/23 02:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/06/23 02:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/06/23 02:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	01/05/23 11:38	01/06/23 02:54	1
o-Terphenyl	137	S1+	70 - 130	01/05/23 11:38	01/06/23 02:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.5		4.97		mg/Kg			01/06/23 11:14	1

Client Sample ID: SW-4 (4')

Lab Sample ID: 880-23350-14

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 08:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 08:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 08:02	1

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Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (4')

Lab Sample ID: 880-23350-14

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/05/23 11:29	01/06/23 08:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/06/23 08:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/05/23 11:29	01/06/23 08:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				01/05/23 11:29	01/06/23 08:02	1
1,4-Difluorobenzene (Surr)	111		70 - 130				01/05/23 11:29	01/06/23 08:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/06/23 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/06/23 03:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/06/23 03:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/06/23 03:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				01/05/23 11:38	01/06/23 03:16	1
o-Terphenyl	156	S1+	70 - 130				01/05/23 11:38	01/06/23 03:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			01/06/23 11:53	1

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-23350-15

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 08:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 08:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 08:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/23 11:29	01/06/23 08:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:29	01/06/23 08:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/23 11:29	01/06/23 08:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				01/05/23 11:29	01/06/23 08:22	1
1,4-Difluorobenzene (Surr)	108		70 - 130				01/05/23 11:29	01/06/23 08:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/23 09:11	1

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Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-23350-15

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 03:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 03:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 03:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				01/05/23 11:38	01/06/23 03:38	1
o-Terphenyl	159	S1+	70 - 130				01/05/23 11:38	01/06/23 03:38	1

Method: MCAWW 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			01/06/23 11:58	1

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-23350-16

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:34	01/05/23 22:54	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		01/05/23 11:34	01/05/23 22:54	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		01/05/23 11:34	01/05/23 22:54	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		01/05/23 11:34	01/05/23 22:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:34	01/05/23 22:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/05/23 11:34	01/05/23 22:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				01/05/23 11:34	01/05/23 22:54	1
1,4-Difluorobenzene (Surr)	88		70 - 130				01/05/23 11:34	01/05/23 22:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/06/23 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 03:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 03:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 03:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	159	S1+	70 - 130				01/05/23 11:38	01/06/23 03:59	1

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Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-23350-16

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	172	S1+	70 - 130	01/05/23 11:38	01/06/23 03:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			01/06/23 12:03	1

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-23350-17

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:34	01/05/23 23:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:34	01/05/23 23:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:34	01/05/23 23:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/05/23 11:34	01/05/23 23:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:34	01/05/23 23:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/05/23 11:34	01/05/23 23:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				01/05/23 11:34	01/05/23 23:14	1
1,4-Difluorobenzene (Surr)	87		70 - 130				01/05/23 11:34	01/05/23 23:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/06/23 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 04:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 04:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 04:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				01/05/23 11:38	01/06/23 04:21	1
o-Terphenyl	152	S1+	70 - 130				01/05/23 11:38	01/06/23 04:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.02		4.97		mg/Kg			01/06/23 12:08	1

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Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-8 (0.5')

Lab Sample ID: 880-23350-18

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/05/23 11:34	01/05/23 23:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/05/23 11:34	01/05/23 23:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/05/23 11:34	01/05/23 23:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/05/23 11:34	01/05/23 23:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/05/23 11:34	01/05/23 23:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/05/23 11:34	01/05/23 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	01/05/23 11:34	01/05/23 23:35	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/05/23 11:34	01/05/23 23:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/06/23 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/06/23 04:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/06/23 04:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/06/23 04:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	01/05/23 11:38	01/06/23 04:43	1
o-Terphenyl	159	S1+	70 - 130	01/05/23 11:38	01/06/23 04:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	206		25.1		mg/Kg			01/06/23 12:13	5

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-23350-19

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:34	01/05/23 23:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:34	01/05/23 23:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:34	01/05/23 23:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/23 11:34	01/05/23 23:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:34	01/05/23 23:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/23 11:34	01/05/23 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/05/23 11:34	01/05/23 23:55	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/05/23 11:34	01/05/23 23:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-23350-19

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/23 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 05:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 05:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 05:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				01/05/23 11:38	01/06/23 05:04	1
o-Terphenyl	157	S1+	70 - 130				01/05/23 11:38	01/06/23 05:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	293		25.1		mg/Kg			01/06/23 12:18	5

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-23350-20

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/06/23 00:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/06/23 00:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/06/23 00:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/05/23 11:34	01/06/23 00:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/06/23 00:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/05/23 11:34	01/06/23 00:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				01/05/23 11:34	01/06/23 00:15	1
1,4-Difluorobenzene (Surr)	84		70 - 130				01/05/23 11:34	01/06/23 00:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/06/23 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 05:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 05:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-23350-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-23350-20

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 11:38	01/06/23 05:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				01/05/23 11:38	01/06/23 05:25	1
o-Terphenyl	144	S1+	70 - 130				01/05/23 11:38	01/06/23 05:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		24.9		mg/Kg			01/06/23 12:23	5

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-23350-21

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:34	01/06/23 00:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:34	01/06/23 00:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:34	01/06/23 00:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/05/23 11:34	01/06/23 00:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/05/23 11:34	01/06/23 00:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/05/23 11:34	01/06/23 00:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				01/05/23 11:34	01/06/23 00:36	1
1,4-Difluorobenzene (Surr)	88		70 - 130				01/05/23 11:34	01/06/23 00:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/06/23 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/06/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/23 12:00	01/06/23 03:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/23 12:00	01/06/23 03:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/23 12:00	01/06/23 03:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				01/05/23 12:00	01/06/23 03:38	1
o-Terphenyl	133	S1+	70 - 130				01/05/23 12:00	01/06/23 03:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.5		4.98		mg/Kg			01/05/23 17:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-23350-22

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/06/23 00:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/06/23 00:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/06/23 00:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/05/23 11:34	01/06/23 00:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/06/23 00:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/05/23 11:34	01/06/23 00:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	01/05/23 11:34	01/06/23 00:56	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/05/23 11:34	01/06/23 00:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/06/23 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 12:00	01/06/23 03:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 12:00	01/06/23 03:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 12:00	01/06/23 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	01/05/23 12:00	01/06/23 03:59	1
o-Terphenyl	104		70 - 130	01/05/23 12:00	01/06/23 03:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		24.9		mg/Kg			01/06/23 08:15	5

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-23350-23

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:34	01/06/23 01:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:34	01/06/23 01:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:34	01/06/23 01:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/23 11:34	01/06/23 01:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:34	01/06/23 01:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/23 11:34	01/06/23 01:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/05/23 11:34	01/06/23 01:17	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/05/23 11:34	01/06/23 01:17	1

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Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-23350-23

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/23 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/06/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/23 12:00	01/06/23 04:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/23 12:00	01/06/23 04:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/23 12:00	01/06/23 04:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				01/05/23 12:00	01/06/23 04:21	1
o-Terphenyl	134	S1+	70 - 130				01/05/23 12:00	01/06/23 04:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.25		5.02		mg/Kg			01/06/23 08:20	1

Client Sample ID: SW-14 (1.5')

Lab Sample ID: 880-23350-24

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/05/23 11:34	01/06/23 01:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/05/23 11:34	01/06/23 01:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/05/23 11:34	01/06/23 01:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/05/23 11:34	01/06/23 01:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/05/23 11:34	01/06/23 01:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/05/23 11:34	01/06/23 01:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				01/05/23 11:34	01/06/23 01:37	1
1,4-Difluorobenzene (Surr)	88		70 - 130				01/05/23 11:34	01/06/23 01:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/06/23 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/06/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/23 12:00	01/06/23 04:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/23 12:00	01/06/23 04:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-14 (1.5')

Lab Sample ID: 880-23350-24

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/23 12:00	01/06/23 04:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				01/05/23 12:00	01/06/23 04:43	1
o-Terphenyl	112		70 - 130				01/05/23 12:00	01/06/23 04:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.2		5.01		mg/Kg			01/06/23 11:34	1

Client Sample ID: SW-15 (1.5')

Lab Sample ID: 880-23350-25

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:34	01/06/23 01:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:34	01/06/23 01:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:34	01/06/23 01:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/23 11:34	01/06/23 01:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/23 11:34	01/06/23 01:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/23 11:34	01/06/23 01:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				01/05/23 11:34	01/06/23 01:58	1
1,4-Difluorobenzene (Surr)	81		70 - 130				01/05/23 11:34	01/06/23 01:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/23 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/06/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/05/23 12:00	01/06/23 05:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/05/23 12:00	01/06/23 05:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/23 12:00	01/06/23 05:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	164	S1+	70 - 130				01/05/23 12:00	01/06/23 05:04	1
o-Terphenyl	144	S1+	70 - 130				01/05/23 12:00	01/06/23 05:04	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.8		4.98		mg/Kg			01/06/23 11:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-16 (1.5')

Lab Sample ID: 880-23350-26

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/06/23 03:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/06/23 03:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/06/23 03:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/05/23 11:34	01/06/23 03:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/06/23 03:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/05/23 11:34	01/06/23 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	01/05/23 11:34	01/06/23 03:20	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/05/23 11:34	01/06/23 03:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/06/23 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/06/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/23 12:00	01/06/23 05:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/23 12:00	01/06/23 05:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/23 12:00	01/06/23 05:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130	01/05/23 12:00	01/06/23 05:25	1
o-Terphenyl	131	S1+	70 - 130	01/05/23 12:00	01/06/23 05:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			01/06/23 18:27	1

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-23339-A-1-D MS	Matrix Spike	105	110
880-23339-A-1-E MSD	Matrix Spike Duplicate	104	105
880-23350-1	CS-1 (6')	106	104
880-23350-2	CS-2 (6')	112	108
880-23350-3	CS-3 (2')	114	111
880-23350-4	CS-4 (2')	112	108
880-23350-5	CS-5 (2')	115	107
880-23350-6	CS-6 (2')	106	109
880-23350-7	CS-7 (2')	107	107
880-23350-8	CS-8 (1.5')	109	108
880-23350-9	CS-9 (1.5')	108	107
880-23350-10	CS-10 (1.5')	106	108
880-23350-11	SW-1 (6')	106	109
880-23350-12	SW-2 (6')	107	111
880-23350-13	SW-3 (6')	108	111
880-23350-14	SW-4 (4')	108	111
880-23350-15	SW-5 (4')	105	108
880-23350-16	SW-6 (2')	99	88
880-23350-16 MS	SW-6 (2')	121	111
880-23350-16 MSD	SW-6 (2')	111	105
880-23350-17	SW-7 (2')	87	87
880-23350-18	SW-8 (0.5')	101	90
880-23350-19	SW-9 (2')	108	89
880-23350-20	SW-10 (1.5')	108	84
880-23350-21	SW-11 (1.5')	88	88
880-23350-22	SW-12 (1.5')	105	87
880-23350-23	SW-13 (1.5')	108	87
880-23350-24	SW-14 (1.5')	96	88
880-23350-25	SW-15 (1.5')	109	81
880-23350-26	SW-16 (1.5')	81	92
LCS 880-43253/1-A	Lab Control Sample	103	107
LCS 880-43254/1-A	Lab Control Sample	121	97
LCSD 880-43253/2-A	Lab Control Sample Dup	105	106
LCSD 880-43254/2-A	Lab Control Sample Dup	108	107
MB 880-43159/5-A	Method Blank	74	91
MB 880-43178/5-A	Method Blank	99	101
MB 880-43253/5-A	Method Blank	100	105
MB 880-43254/5-A	Method Blank	78	93
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)
880-23350-1	CS-1 (6')	130	152 S1+

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-23350-1 MS	CS-1 (6')	117	120
880-23350-1 MSD	CS-1 (6')	117	119
880-23350-2	CS-2 (6')	86	100
880-23350-3	CS-3 (2')	120	140 S1+
880-23350-4	CS-4 (2')	125	148 S1+
880-23350-5	CS-5 (2')	124	146 S1+
880-23350-6	CS-6 (2')	97	115
880-23350-7	CS-7 (2')	135 S1+	152 S1+
880-23350-8	CS-8 (1.5')	136 S1+	160 S1+
880-23350-9	CS-9 (1.5')	9 S1-	10 S1-
880-23350-9	CS-9 (1.5')	214 S1+	259 S1+
880-23350-10	CS-10 (1.5')	126	147 S1+
880-23350-11	SW-1 (6')	141 S1+	162 S1+
880-23350-12	SW-2 (6')	136 S1+	156 S1+
880-23350-13	SW-3 (6')	119	137 S1+
880-23350-14	SW-4 (4')	137 S1+	156 S1+
880-23350-15	SW-5 (4')	141 S1+	159 S1+
880-23350-16	SW-6 (2')	159 S1+	172 S1+
880-23350-17	SW-7 (2')	132 S1+	152 S1+
880-23350-18	SW-8 (0.5')	136 S1+	159 S1+
880-23350-19	SW-9 (2')	140 S1+	157 S1+
880-23350-20	SW-10 (1.5')	121	144 S1+
880-23350-21	SW-11 (1.5')	150 S1+	133 S1+
880-23350-22	SW-12 (1.5')	115	104
880-23350-23	SW-13 (1.5')	149 S1+	134 S1+
880-23350-24	SW-14 (1.5')	124	112
880-23350-25	SW-15 (1.5')	164 S1+	144 S1+
880-23350-26	SW-16 (1.5')	154 S1+	131 S1+
890-3757-A-1-C MS	Matrix Spike	112	85
890-3757-A-1-D MSD	Matrix Spike Duplicate	114	88
LCS 880-43251/2-A	Lab Control Sample	104	98
LCS 880-43255/2-A	Lab Control Sample	104	118
LCSD 880-43251/3-A	Lab Control Sample Dup	118	110
LCSD 880-43255/3-A	Lab Control Sample Dup	105	119
MB 880-43251/1-A	Method Blank	113	109
MB 880-43255/1-A	Method Blank	129	155 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43159/5-A

Matrix: Solid

Analysis Batch: 43201

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/04/23 12:07	01/05/23 11:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/04/23 12:07	01/05/23 11:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/04/23 12:07	01/05/23 11:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/04/23 12:07	01/05/23 11:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/04/23 12:07	01/05/23 11:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/04/23 12:07	01/05/23 11:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	01/04/23 12:07	01/05/23 11:00	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/04/23 12:07	01/05/23 11:00	1

Lab Sample ID: MB 880-43178/5-A

Matrix: Solid

Analysis Batch: 43200

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43178

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/04/23 15:26	01/05/23 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/04/23 15:26	01/05/23 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/04/23 15:26	01/05/23 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/04/23 15:26	01/05/23 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/04/23 15:26	01/05/23 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/04/23 15:26	01/05/23 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/04/23 15:26	01/05/23 11:28	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/04/23 15:26	01/05/23 11:28	1

Lab Sample ID: MB 880-43253/5-A

Matrix: Solid

Analysis Batch: 43200

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43253

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/05/23 23:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/05/23 23:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/05/23 23:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/05/23 11:29	01/05/23 23:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:29	01/05/23 23:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/05/23 11:29	01/05/23 23:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/05/23 11:29	01/05/23 23:56	1
1,4-Difluorobenzene (Surr)	105		70 - 130	01/05/23 11:29	01/05/23 23:56	1

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QC Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-43253/1-A

Matrix: Solid

Analysis Batch: 43200

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43253

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1029		mg/Kg		103	70 - 130
Toluene	0.100	0.09781		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09608		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1998		mg/Kg		100	70 - 130
o-Xylene	0.100	0.09590		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-43253/2-A

Matrix: Solid

Analysis Batch: 43200

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43253

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08375		mg/Kg		84	70 - 130	21	35
Toluene	0.100	0.08159		mg/Kg		82	70 - 130	18	35
Ethylbenzene	0.100	0.08104		mg/Kg		81	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.1712		mg/Kg		86	70 - 130	15	35
o-Xylene	0.100	0.08415		mg/Kg		84	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-23339-A-1-D MS

Matrix: Solid

Analysis Batch: 43200

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43253

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.100	0.06530	F1	mg/Kg		65	70 - 130
Toluene	<0.00202	U F1	0.100	0.04424	F1	mg/Kg		44	70 - 130
Ethylbenzene	<0.00202	U F1	0.100	0.03408	F1	mg/Kg		34	70 - 130
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.06905	F1	mg/Kg		34	70 - 130
o-Xylene	<0.00202	U F1	0.100	0.03261	F1	mg/Kg		33	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-23339-A-1-E MSD

Matrix: Solid

Analysis Batch: 43200

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43253

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.0990	0.06798	F1	mg/Kg		69	70 - 130	4	35
Toluene	<0.00202	U F1	0.0990	0.04723	F1	mg/Kg		48	70 - 130	7	35
Ethylbenzene	<0.00202	U F1	0.0990	0.03538	F1	mg/Kg		36	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-23339-A-1-E MSD

Matrix: Solid

Analysis Batch: 43200

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43253

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00403	U F1	0.198	0.07167	F1	mg/Kg		36	70 - 130	4	35
o-Xylene	<0.00202	U F1	0.0990	0.03363	F1	mg/Kg		34	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	104		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								

Lab Sample ID: MB 880-43254/5-A

Matrix: Solid

Analysis Batch: 43201

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/05/23 22:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/05/23 22:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/05/23 22:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/05/23 11:34	01/05/23 22:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/23 11:34	01/05/23 22:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/05/23 11:34	01/05/23 22:32	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				01/05/23 11:34	01/05/23 22:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130				01/05/23 11:34	01/05/23 22:32	1

Lab Sample ID: LCS 880-43254/1-A

Matrix: Solid

Analysis Batch: 43201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08704		mg/Kg		87	70 - 130
Toluene	0.100	0.09566		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09913		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2156		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1115		mg/Kg		111	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	121		70 - 130				
1,4-Difluorobenzene (Surr)	97		70 - 130				

Lab Sample ID: LCSD 880-43254/2-A

Matrix: Solid

Analysis Batch: 43201

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43254

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08888		mg/Kg		89	70 - 130	2	35
Toluene	0.100	0.08906		mg/Kg		89	70 - 130	7	35
Ethylbenzene	0.100	0.09077		mg/Kg		91	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1953		mg/Kg		98	70 - 130	10	35
o-Xylene	0.100	0.09911		mg/Kg		99	70 - 130	12	35

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QC Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-23350-16 MS

Matrix: Solid

Analysis Batch: 43201

Client Sample ID: SW-6 (2')

Prep Type: Total/NA

Prep Batch: 43254

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.08559		mg/Kg		86	70 - 130
Toluene	<0.00201	U F1	0.0998	0.06927	F1	mg/Kg		69	70 - 130
Ethylbenzene	<0.00201	U F1	0.0998	0.07625		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1513		mg/Kg		76	70 - 130
o-Xylene	<0.00201	U	0.0998	0.08867		mg/Kg		89	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-23350-16 MSD

Matrix: Solid

Analysis Batch: 43201

Client Sample ID: SW-6 (2')

Prep Type: Total/NA

Prep Batch: 43254

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.101	0.08310		mg/Kg		82	70 - 130	3	35
Toluene	<0.00201	U F1	0.101	0.06184	F1	mg/Kg		61	70 - 130	11	35
Ethylbenzene	<0.00201	U F1	0.101	0.06920	F1	mg/Kg		69	70 - 130	10	35
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.1350	F1	mg/Kg		67	70 - 130	11	35
o-Xylene	<0.00201	U	0.101	0.08226		mg/Kg		82	70 - 130	8	35

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

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

Lab Sample ID: MB 880-43251/1-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43251

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		01/05/23 11:23	01/05/23 19:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/23 11:23	01/05/23 19:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/23 11:23	01/05/23 19:47	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	113		70 - 130	01/05/23 11:23	01/05/23 19:47	1			
o-Terphenyl	109		70 - 130	01/05/23 11:23	01/05/23 19:47	1			

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QC Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-43251/2-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43251

Analyte			Spike	LCS	LCS				%Rec		
			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	978.5		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	924.6		mg/Kg		92	70 - 130		
		LCS	LCS								
Surrogate		%Recovery	Qualifier	Limits							
1-Chlorooctane		104		70 - 130							
o-Terphenyl		98		70 - 130							

Lab Sample ID: LCSD 880-43251/3-A

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43251

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier			Limits	Limit		
Gasoline Range Organics (GRO)-C6-C10			1000	1009		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	999.4		mg/Kg		100	70 - 130	8	20
Surrogate	LCSD	LCSD	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	118		70 - 130								
o-Terphenyl	110		70 - 130								

Lab Sample ID: 890-3757-A-1-C MS

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 43251

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits		
	Result	Qualifier	Added	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	750.7		mg/Kg		70	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U	999	885.9		mg/Kg		87	70 - 130			
Surrogate	MS	MS	Limits									
	%Recovery	Qualifier										
1-Chlorooctane	112		70 - 130									
o-Terphenyl	85		70 - 130									

Lab Sample ID: 890-3757-A-1-D MSD

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43251

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	826.1		mg/Kg		78	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	913.9		mg/Kg		90	70 - 130	3	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	114		70 - 130								

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QC Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-3757-A-1-D MSD

Matrix: Solid

Analysis Batch: 43191

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 43251

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	88		70 - 130

Lab Sample ID: MB 880-43255/1-A

Matrix: Solid

Analysis Batch: 43193

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43255

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/05/23 19:47	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/05/23 19:47	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/23 11:38	01/05/23 19:47	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	129		70 - 130				01/05/23 11:38	01/05/23 19:47	1	
<i>o</i> -Terphenyl	155	S1+	70 - 130				01/05/23 11:38	01/05/23 19:47	1	

Lab Sample ID: LCS 880-43255/2-A

Matrix: Solid

Analysis Batch: 43193

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43255

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	1034		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	920.3		mg/Kg		92	70 - 130		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	104		70 - 130							
<i>o</i> -Terphenyl	118		70 - 130							

Lab Sample ID: LCSD 880-43255/3-A

Matrix: Solid

Analysis Batch: 43193

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43255

			Spike	LCSD	LCSD				%Rec			RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1050		mg/Kg		105	70 - 130		1	20
Diesel Range Organics (Over C10-C28)			1000	920.5		mg/Kg		92	70 - 130		0	20
					</							

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QC Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-23350-1 MS

Matrix: Solid

Analysis Batch: 43193

Client Sample ID: CS-1 (6')

Prep Type: Total/NA

Prep Batch: 43255

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits		
	Result	Qualifier	Added	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1032		mg/Kg		101	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1228		mg/Kg		120	70 - 130			
								</				

Lab Sample ID: 880-23350-1 MSD

Matrix: Solid

Analysis Batch: 43193

Client Sample ID: CS-1 (6')

Prep Type: Total/NA

Prep Batch: 43255

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	RPD	RPD	
	Result	Qualifier	Added	Result	Qualifier			Limits			Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1031		mg/Kg		101	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1254		mg/Kg		122	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	117		70 - 130								
o-Terphenyl	119		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43208/1-A

Matrix: Solid

Analysis Batch: 43279

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			01/05/23 15:09	1

Lab Sample ID: LCS 880-43208/2-A

Matrix: Solid

Analysis Batch: 43279

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.5		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-43208/3-A

Matrix: Solid

Analysis Batch: 43279

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	257.9		mg/Kg		103	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3757-A-2-D MS

Matrix: Solid

Analysis Batch: 43279

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	478	F1	248	738.7		mg/Kg		105	90 - 110

Lab Sample ID: 890-3757-A-2-E MSD

Matrix: Solid

Analysis Batch: 43279

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	478	F1	248	773.6	F1	mg/Kg		119	90 - 110	5	20

Lab Sample ID: MB 880-43256/1-A

Matrix: Solid

Analysis Batch: 43281

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			01/06/23 09:10	1

Lab Sample ID: LCS 880-43256/2-A

Matrix: Solid

Analysis Batch: 43281

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	271.6		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-43256/3-A

Matrix: Solid

Analysis Batch: 43281

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	265.2		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 880-23350-1 MS

Matrix: Solid

Analysis Batch: 43281

Client Sample ID: CS-1 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<5.02	U F1	251	289.7	F1	mg/Kg		114	90 - 110

Lab Sample ID: 880-23350-1 MSD

Matrix: Solid

Analysis Batch: 43281

Client Sample ID: CS-1 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.02	U F1	251	285.2	F1	mg/Kg		112	90 - 110	2	20

Lab Sample ID: 880-23350-11 MS

Matrix: Solid

Analysis Batch: 43281

Client Sample ID: SW-1 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<4.96	U F1	248	286.3	F1	mg/Kg		114	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-23350-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-23350-11 MSD

Matrix: Solid

Analysis Batch: 43281

Client Sample ID: SW-1 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<4.96	U F1	248	284.5	F1	mg/Kg		113	90 - 110	1	20

Lab Sample ID: MB 880-43075/1-A

Matrix: Solid

Analysis Batch: 43283

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			01/06/23 12:48	1

Lab Sample ID: LCS 880-43075/2-A

Matrix: Solid

Analysis Batch: 43283

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	268.8		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-43075/3-A

Matrix: Solid

Analysis Batch: 43283

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	270.3		mg/Kg		108	90 - 110	1	20

Lab Sample ID: 880-23216-A-3-B MS

Matrix: Solid

Analysis Batch: 43283

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	98.7	F1	251	408.5	F1	mg/Kg		123	90 - 110

Lab Sample ID: 880-23216-A-3-C MSD

Matrix: Solid

Analysis Batch: 43283

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	98.7	F1	251	408.4	F1	mg/Kg		123	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 43159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43159/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 43178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43178/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 43200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-1	CS-1 (6')	Total/NA	Solid	8021B	43253
880-23350-2	CS-2 (6')	Total/NA	Solid	8021B	43253
880-23350-3	CS-3 (2')	Total/NA	Solid	8021B	43253
880-23350-4	CS-4 (2')	Total/NA	Solid	8021B	43253
880-23350-5	CS-5 (2')	Total/NA	Solid	8021B	43253
880-23350-6	CS-6 (2')	Total/NA	Solid	8021B	43253
880-23350-7	CS-7 (2')	Total/NA	Solid	8021B	43253
880-23350-8	CS-8 (1.5')	Total/NA	Solid	8021B	43253
880-23350-9	CS-9 (1.5')	Total/NA	Solid	8021B	43253
880-23350-10	CS-10 (1.5')	Total/NA	Solid	8021B	43253
880-23350-11	SW-1 (6')	Total/NA	Solid	8021B	43253
880-23350-12	SW-2 (6')	Total/NA	Solid	8021B	43253
880-23350-13	SW-3 (6')	Total/NA	Solid	8021B	43253
880-23350-14	SW-4 (4')	Total/NA	Solid	8021B	43253
880-23350-15	SW-5 (4')	Total/NA	Solid	8021B	43253
MB 880-43178/5-A	Method Blank	Total/NA	Solid	8021B	43178
MB 880-43253/5-A	Method Blank	Total/NA	Solid	8021B	43253
LCS 880-43253/1-A	Lab Control Sample	Total/NA	Solid	8021B	43253
LCSD 880-43253/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43253
880-23339-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	43253
880-23339-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	43253

Analysis Batch: 43201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-16	SW-6 (2')	Total/NA	Solid	8021B	43254
880-23350-17	SW-7 (2')	Total/NA	Solid	8021B	43254
880-23350-18	SW-8 (0.5')	Total/NA	Solid	8021B	43254
880-23350-19	SW-9 (2')	Total/NA	Solid	8021B	43254
880-23350-20	SW-10 (1.5')	Total/NA	Solid	8021B	43254
880-23350-21	SW-11 (1.5')	Total/NA	Solid	8021B	43254
880-23350-22	SW-12 (1.5')	Total/NA	Solid	8021B	43254
880-23350-23	SW-13 (1.5')	Total/NA	Solid	8021B	43254
880-23350-24	SW-14 (1.5')	Total/NA	Solid	8021B	43254
880-23350-25	SW-15 (1.5')	Total/NA	Solid	8021B	43254
880-23350-26	SW-16 (1.5')	Total/NA	Solid	8021B	43254
MB 880-43159/5-A	Method Blank	Total/NA	Solid	8021B	43159
MB 880-43254/5-A	Method Blank	Total/NA	Solid	8021B	43254
LCS 880-43254/1-A	Lab Control Sample	Total/NA	Solid	8021B	43254
LCSD 880-43254/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43254
880-23350-16 MS	SW-6 (2')	Total/NA	Solid	8021B	43254
880-23350-16 MSD	SW-6 (2')	Total/NA	Solid	8021B	43254

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QC Association Summary

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 43253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-1	CS-1 (6')	Total/NA	Solid	5035	
880-23350-2	CS-2 (6')	Total/NA	Solid	5035	
880-23350-3	CS-3 (2')	Total/NA	Solid	5035	
880-23350-4	CS-4 (2')	Total/NA	Solid	5035	
880-23350-5	CS-5 (2')	Total/NA	Solid	5035	
880-23350-6	CS-6 (2')	Total/NA	Solid	5035	
880-23350-7	CS-7 (2')	Total/NA	Solid	5035	
880-23350-8	CS-8 (1.5')	Total/NA	Solid	5035	
880-23350-9	CS-9 (1.5')	Total/NA	Solid	5035	
880-23350-10	CS-10 (1.5')	Total/NA	Solid	5035	
880-23350-11	SW-1 (6')	Total/NA	Solid	5035	
880-23350-12	SW-2 (6')	Total/NA	Solid	5035	
880-23350-13	SW-3 (6')	Total/NA	Solid	5035	
880-23350-14	SW-4 (4')	Total/NA	Solid	5035	
880-23350-15	SW-5 (4')	Total/NA	Solid	5035	
MB 880-43253/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43253/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43253/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23339-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-23339-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 43254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-16	SW-6 (2')	Total/NA	Solid	5035	
880-23350-17	SW-7 (2')	Total/NA	Solid	5035	
880-23350-18	SW-8 (0.5')	Total/NA	Solid	5035	
880-23350-19	SW-9 (2')	Total/NA	Solid	5035	
880-23350-20	SW-10 (1.5')	Total/NA	Solid	5035	
880-23350-21	SW-11 (1.5')	Total/NA	Solid	5035	
880-23350-22	SW-12 (1.5')	Total/NA	Solid	5035	
880-23350-23	SW-13 (1.5')	Total/NA	Solid	5035	
880-23350-24	SW-14 (1.5')	Total/NA	Solid	5035	
880-23350-25	SW-15 (1.5')	Total/NA	Solid	5035	
880-23350-26	SW-16 (1.5')	Total/NA	Solid	5035	
MB 880-43254/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43254/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43254/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23350-16 MS	SW-6 (2')	Total/NA	Solid	5035	
880-23350-16 MSD	SW-6 (2')	Total/NA	Solid	5035	

Analysis Batch: 43335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-1	CS-1 (6')	Total/NA	Solid	Total BTEX	
880-23350-2	CS-2 (6')	Total/NA	Solid	Total BTEX	
880-23350-3	CS-3 (2')	Total/NA	Solid	Total BTEX	
880-23350-4	CS-4 (2')	Total/NA	Solid	Total BTEX	
880-23350-5	CS-5 (2')	Total/NA	Solid	Total BTEX	
880-23350-6	CS-6 (2')	Total/NA	Solid	Total BTEX	
880-23350-7	CS-7 (2')	Total/NA	Solid	Total BTEX	
880-23350-8	CS-8 (1.5')	Total/NA	Solid	Total BTEX	
880-23350-9	CS-9 (1.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 43335 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-10	CS-10 (1.5')	Total/NA	Solid	Total BTEX	
880-23350-11	SW-1 (6')	Total/NA	Solid	Total BTEX	
880-23350-12	SW-2 (6')	Total/NA	Solid	Total BTEX	
880-23350-13	SW-3 (6')	Total/NA	Solid	Total BTEX	
880-23350-14	SW-4 (4')	Total/NA	Solid	Total BTEX	
880-23350-15	SW-5 (4')	Total/NA	Solid	Total BTEX	
880-23350-16	SW-6 (2')	Total/NA	Solid	Total BTEX	
880-23350-17	SW-7 (2')	Total/NA	Solid	Total BTEX	
880-23350-18	SW-8 (0.5')	Total/NA	Solid	Total BTEX	
880-23350-19	SW-9 (2')	Total/NA	Solid	Total BTEX	
880-23350-20	SW-10 (1.5')	Total/NA	Solid	Total BTEX	
880-23350-21	SW-11 (1.5')	Total/NA	Solid	Total BTEX	
880-23350-22	SW-12 (1.5')	Total/NA	Solid	Total BTEX	
880-23350-23	SW-13 (1.5')	Total/NA	Solid	Total BTEX	
880-23350-24	SW-14 (1.5')	Total/NA	Solid	Total BTEX	
880-23350-25	SW-15 (1.5')	Total/NA	Solid	Total BTEX	
880-23350-26	SW-16 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 43191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-21	SW-11 (1.5')	Total/NA	Solid	8015B NM	43251
880-23350-22	SW-12 (1.5')	Total/NA	Solid	8015B NM	43251
880-23350-23	SW-13 (1.5')	Total/NA	Solid	8015B NM	43251
880-23350-24	SW-14 (1.5')	Total/NA	Solid	8015B NM	43251
880-23350-25	SW-15 (1.5')	Total/NA	Solid	8015B NM	43251
880-23350-26	SW-16 (1.5')	Total/NA	Solid	8015B NM	43251
MB 880-43251/1-A	Method Blank	Total/NA	Solid	8015B NM	43251
LCS 880-43251/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43251
LCSD 880-43251/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43251
890-3757-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	43251
890-3757-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43251

Analysis Batch: 43193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-1	CS-1 (6')	Total/NA	Solid	8015B NM	43255
880-23350-2	CS-2 (6')	Total/NA	Solid	8015B NM	43255
880-23350-3	CS-3 (2')	Total/NA	Solid	8015B NM	43255
880-23350-4	CS-4 (2')	Total/NA	Solid	8015B NM	43255
880-23350-5	CS-5 (2')	Total/NA	Solid	8015B NM	43255
880-23350-6	CS-6 (2')	Total/NA	Solid	8015B NM	43255
880-23350-7	CS-7 (2')	Total/NA	Solid	8015B NM	43255
880-23350-8	CS-8 (1.5')	Total/NA	Solid	8015B NM	43255
880-23350-9	CS-9 (1.5')	Total/NA	Solid	8015B NM	43255
880-23350-9	CS-9 (1.5')	Total/NA	Solid	8015B NM	43255
880-23350-10	CS-10 (1.5')	Total/NA	Solid	8015B NM	43255
880-23350-11	SW-1 (6')	Total/NA	Solid	8015B NM	43255
880-23350-12	SW-2 (6')	Total/NA	Solid	8015B NM	43255
880-23350-13	SW-3 (6')	Total/NA	Solid	8015B NM	43255
880-23350-14	SW-4 (4')	Total/NA	Solid	8015B NM	43255

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 43193 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-15	SW-5 (4')	Total/NA	Solid	8015B NM	43255
880-23350-16	SW-6 (2')	Total/NA	Solid	8015B NM	43255
880-23350-17	SW-7 (2')	Total/NA	Solid	8015B NM	43255
880-23350-18	SW-8 (0.5')	Total/NA	Solid	8015B NM	43255
880-23350-19	SW-9 (2')	Total/NA	Solid	8015B NM	43255
880-23350-20	SW-10 (1.5')	Total/NA	Solid	8015B NM	43255
MB 880-43255/1-A	Method Blank	Total/NA	Solid	8015B NM	43255
LCS 880-43255/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43255
LCSD 880-43255/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43255
880-23350-1 MS	CS-1 (6')	Total/NA	Solid	8015B NM	43255
880-23350-1 MSD	CS-1 (6')	Total/NA	Solid	8015B NM	43255

Prep Batch: 43251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-21	SW-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-23350-22	SW-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-23350-23	SW-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-23350-24	SW-14 (1.5')	Total/NA	Solid	8015NM Prep	
880-23350-25	SW-15 (1.5')	Total/NA	Solid	8015NM Prep	
880-23350-26	SW-16 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-43251/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43251/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43251/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3757-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3757-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 43255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-1	CS-1 (6')	Total/NA	Solid	8015NM Prep	
880-23350-2	CS-2 (6')	Total/NA	Solid	8015NM Prep	
880-23350-3	CS-3 (2')	Total/NA	Solid	8015NM Prep	
880-23350-4	CS-4 (2')	Total/NA	Solid	8015NM Prep	
880-23350-5	CS-5 (2')	Total/NA	Solid	8015NM Prep	
880-23350-6	CS-6 (2')	Total/NA	Solid	8015NM Prep	
880-23350-7	CS-7 (2')	Total/NA	Solid	8015NM Prep	
880-23350-8	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-23350-9	CS-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-23350-10	CS-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-23350-11	SW-1 (6')	Total/NA	Solid	8015NM Prep	
880-23350-12	SW-2 (6')	Total/NA	Solid	8015NM Prep	
880-23350-13	SW-3 (6')	Total/NA	Solid	8015NM Prep	
880-23350-14	SW-4 (4')	Total/NA	Solid	8015NM Prep	
880-23350-15	SW-5 (4')	Total/NA	Solid	8015NM Prep	
880-23350-16	SW-6 (2')	Total/NA	Solid	8015NM Prep	
880-23350-17	SW-7 (2')	Total/NA	Solid	8015NM Prep	
880-23350-18	SW-8 (0.5')	Total/NA	Solid	8015NM Prep	
880-23350-19	SW-9 (2')	Total/NA	Solid	8015NM Prep	
880-23350-20	SW-10 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-43255/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43255/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43255/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 43255 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-1 MS	CS-1 (6')	Total/NA	Solid	8015NM Prep	
880-23350-1 MSD	CS-1 (6')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-1	CS-1 (6')	Total/NA	Solid	8015 NM	
880-23350-2	CS-2 (6')	Total/NA	Solid	8015 NM	
880-23350-3	CS-3 (2')	Total/NA	Solid	8015 NM	
880-23350-4	CS-4 (2')	Total/NA	Solid	8015 NM	
880-23350-5	CS-5 (2')	Total/NA	Solid	8015 NM	
880-23350-6	CS-6 (2')	Total/NA	Solid	8015 NM	
880-23350-7	CS-7 (2')	Total/NA	Solid	8015 NM	
880-23350-8	CS-8 (1.5')	Total/NA	Solid	8015 NM	
880-23350-9	CS-9 (1.5')	Total/NA	Solid	8015 NM	
880-23350-10	CS-10 (1.5')	Total/NA	Solid	8015 NM	
880-23350-11	SW-1 (6')	Total/NA	Solid	8015 NM	
880-23350-12	SW-2 (6')	Total/NA	Solid	8015 NM	
880-23350-13	SW-3 (6')	Total/NA	Solid	8015 NM	
880-23350-14	SW-4 (4')	Total/NA	Solid	8015 NM	
880-23350-15	SW-5 (4')	Total/NA	Solid	8015 NM	
880-23350-16	SW-6 (2')	Total/NA	Solid	8015 NM	
880-23350-17	SW-7 (2')	Total/NA	Solid	8015 NM	
880-23350-18	SW-8 (0.5')	Total/NA	Solid	8015 NM	
880-23350-19	SW-9 (2')	Total/NA	Solid	8015 NM	
880-23350-20	SW-10 (1.5')	Total/NA	Solid	8015 NM	
880-23350-21	SW-11 (1.5')	Total/NA	Solid	8015 NM	
880-23350-22	SW-12 (1.5')	Total/NA	Solid	8015 NM	
880-23350-23	SW-13 (1.5')	Total/NA	Solid	8015 NM	
880-23350-24	SW-14 (1.5')	Total/NA	Solid	8015 NM	
880-23350-25	SW-15 (1.5')	Total/NA	Solid	8015 NM	
880-23350-26	SW-16 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 43075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-26	SW-16 (1.5')	Soluble	Solid	DI Leach	
MB 880-43075/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43075/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43075/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23216-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-23216-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 43208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-21	SW-11 (1.5')	Soluble	Solid	DI Leach	
880-23350-22	SW-12 (1.5')	Soluble	Solid	DI Leach	
880-23350-23	SW-13 (1.5')	Soluble	Solid	DI Leach	
880-23350-24	SW-14 (1.5')	Soluble	Solid	DI Leach	
880-23350-25	SW-15 (1.5')	Soluble	Solid	DI Leach	
MB 880-43208/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 43208 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-43208/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43208/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3757-A-2-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3757-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 43256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-1	CS-1 (6')	Soluble	Solid	DI Leach	
880-23350-2	CS-2 (6')	Soluble	Solid	DI Leach	
880-23350-3	CS-3 (2')	Soluble	Solid	DI Leach	
880-23350-4	CS-4 (2')	Soluble	Solid	DI Leach	
880-23350-5	CS-5 (2')	Soluble	Solid	DI Leach	
880-23350-6	CS-6 (2')	Soluble	Solid	DI Leach	
880-23350-7	CS-7 (2')	Soluble	Solid	DI Leach	
880-23350-8	CS-8 (1.5')	Soluble	Solid	DI Leach	
880-23350-9	CS-9 (1.5')	Soluble	Solid	DI Leach	
880-23350-10	CS-10 (1.5')	Soluble	Solid	DI Leach	
880-23350-11	SW-1 (6')	Soluble	Solid	DI Leach	
880-23350-12	SW-2 (6')	Soluble	Solid	DI Leach	
880-23350-13	SW-3 (6')	Soluble	Solid	DI Leach	
880-23350-14	SW-4 (4')	Soluble	Solid	DI Leach	
880-23350-15	SW-5 (4')	Soluble	Solid	DI Leach	
880-23350-16	SW-6 (2')	Soluble	Solid	DI Leach	
880-23350-17	SW-7 (2')	Soluble	Solid	DI Leach	
880-23350-18	SW-8 (0.5')	Soluble	Solid	DI Leach	
880-23350-19	SW-9 (2')	Soluble	Solid	DI Leach	
880-23350-20	SW-10 (1.5')	Soluble	Solid	DI Leach	
MB 880-43256/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43256/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43256/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23350-1 MS	CS-1 (6')	Soluble	Solid	DI Leach	
880-23350-1 MSD	CS-1 (6')	Soluble	Solid	DI Leach	
880-23350-11 MS	SW-1 (6')	Soluble	Solid	DI Leach	
880-23350-11 MSD	SW-1 (6')	Soluble	Solid	DI Leach	

Analysis Batch: 43279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-21	SW-11 (1.5')	Soluble	Solid	300.0	43208
880-23350-22	SW-12 (1.5')	Soluble	Solid	300.0	43208
880-23350-23	SW-13 (1.5')	Soluble	Solid	300.0	43208
880-23350-24	SW-14 (1.5')	Soluble	Solid	300.0	43208
880-23350-25	SW-15 (1.5')	Soluble	Solid	300.0	43208
MB 880-43208/1-A	Method Blank	Soluble	Solid	300.0	43208
LCS 880-43208/2-A	Lab Control Sample	Soluble	Solid	300.0	43208
LCSD 880-43208/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43208
890-3757-A-2-D MS	Matrix Spike	Soluble	Solid	300.0	43208
890-3757-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	43208

Analysis Batch: 43281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-1	CS-1 (6')	Soluble	Solid	300.0	43256

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 43281 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-2	CS-2 (6')	Soluble	Solid	300.0	43256
880-23350-3	CS-3 (2')	Soluble	Solid	300.0	43256
880-23350-4	CS-4 (2')	Soluble	Solid	300.0	43256
880-23350-5	CS-5 (2')	Soluble	Solid	300.0	43256
880-23350-6	CS-6 (2')	Soluble	Solid	300.0	43256
880-23350-7	CS-7 (2')	Soluble	Solid	300.0	43256
880-23350-8	CS-8 (1.5')	Soluble	Solid	300.0	43256
880-23350-9	CS-9 (1.5')	Soluble	Solid	300.0	43256
880-23350-10	CS-10 (1.5')	Soluble	Solid	300.0	43256
880-23350-11	SW-1 (6')	Soluble	Solid	300.0	43256
880-23350-12	SW-2 (6')	Soluble	Solid	300.0	43256
880-23350-13	SW-3 (6')	Soluble	Solid	300.0	43256
880-23350-14	SW-4 (4')	Soluble	Solid	300.0	43256
880-23350-15	SW-5 (4')	Soluble	Solid	300.0	43256
880-23350-16	SW-6 (2')	Soluble	Solid	300.0	43256
880-23350-17	SW-7 (2')	Soluble	Solid	300.0	43256
880-23350-18	SW-8 (0.5')	Soluble	Solid	300.0	43256
880-23350-19	SW-9 (2')	Soluble	Solid	300.0	43256
880-23350-20	SW-10 (1.5')	Soluble	Solid	300.0	43256
MB 880-43256/1-A	Method Blank	Soluble	Solid	300.0	43256
LCS 880-43256/2-A	Lab Control Sample	Soluble	Solid	300.0	43256
LCSD 880-43256/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43256
880-23350-1 MS	CS-1 (6')	Soluble	Solid	300.0	43256
880-23350-1 MSD	CS-1 (6')	Soluble	Solid	300.0	43256
880-23350-11 MS	SW-1 (6')	Soluble	Solid	300.0	43256
880-23350-11 MSD	SW-1 (6')	Soluble	Solid	300.0	43256

Analysis Batch: 43283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23350-26	SW-16 (1.5')	Soluble	Solid	300.0	43075
MB 880-43075/1-A	Method Blank	Soluble	Solid	300.0	43075
LCS 880-43075/2-A	Lab Control Sample	Soluble	Solid	300.0	43075
LCSD 880-43075/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43075
880-23216-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	43075
880-23216-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	43075

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-23350-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (6')

Lab Sample ID: 880-23350-1

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 02:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/05/23 20:51	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 09:44	CH	EET MID

Client Sample ID: CS-2 (6')

Lab Sample ID: 880-23350-2

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 02:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/05/23 21:55	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 09:59	CH	EET MID

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-23350-3

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 02:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/05/23 22:16	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 10:04	CH	EET MID

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-23350-4

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 03:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:35	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-23350-4

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/05/23 22:38	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 10:09	CH	EET MID

Client Sample ID: CS-5 (2')

Lab Sample ID: 880-23350-5

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 03:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/05/23 22:59	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 10:14	CH	EET MID

Client Sample ID: CS-6 (2')

Lab Sample ID: 880-23350-6

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 05:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/05/23 23:21	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		5			43281	01/06/23 10:29	CH	EET MID

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-23350-7

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 05:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/05/23 23:42	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

Job ID: 880-23350-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-23350-7

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 10:34	CH	EET MID

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-23350-8

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 05:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 00:03	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 10:39	CH	EET MID

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-23350-9

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 06:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 00:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 07:17	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		5			43281	01/06/23 10:44	CH	EET MID

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-23350-10

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 06:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 01:30	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-23350-10

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		5			43281	01/06/23 10:49	CH	EET MID

Client Sample ID: SW-1 (6')

Lab Sample ID: 880-23350-11

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 07:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 02:12	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 10:54	CH	EET MID

Client Sample ID: SW-2 (6')

Lab Sample ID: 880-23350-12

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 07:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 02:33	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 11:09	CH	EET MID

Client Sample ID: SW-3 (6')

Lab Sample ID: 880-23350-13

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 07:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 02:54	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 11:14	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (4')

Lab Sample ID: 880-23350-14

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 08:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 09:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 03:16	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 11:53	CH	EET MID

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-23350-15

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43253	01/05/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43200	01/06/23 08:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 09:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 03:38	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 11:58	CH	EET MID

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-23350-16

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43254	01/05/23 11:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43201	01/05/23 22:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 03:59	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 12:03	CH	EET MID

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-23350-17

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43254	01/05/23 11:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43201	01/05/23 23:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:37	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-23350-17

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 04:21	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		1			43281	01/06/23 12:08	CH	EET MID

Client Sample ID: SW-8 (0.5')

Lab Sample ID: 880-23350-18

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43254	01/05/23 11:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43201	01/05/23 23:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 04:43	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		5			43281	01/06/23 12:13	CH	EET MID

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-23350-19

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43254	01/05/23 11:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43201	01/05/23 23:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 05:04	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		5			43281	01/06/23 12:18	CH	EET MID

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-23350-20

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43254	01/05/23 11:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43201	01/06/23 00:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 11:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43255	01/05/23 11:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43193	01/06/23 05:25	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-23350-20

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	43256	01/05/23 11:44	KS	EET MID
Soluble	Analysis	300.0		5			43281	01/06/23 12:23	CH	EET MID

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-23350-21

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43254	01/05/23 11:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43201	01/06/23 00:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 13:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43251	01/05/23 12:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/06/23 03:38	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43208	01/05/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			43279	01/05/23 17:34	CH	EET MID

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-23350-22

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43254	01/05/23 11:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43201	01/06/23 00:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 13:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	43251	01/05/23 12:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/06/23 03:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43208	01/05/23 13:00	KS	EET MID
Soluble	Analysis	300.0		5			43279	01/06/23 08:15	CH	EET MID

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-23350-23

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43254	01/05/23 11:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43201	01/06/23 01:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 13:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43251	01/05/23 12:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/06/23 04:21	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43208	01/05/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			43279	01/06/23 08:20	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Client Sample ID: SW-14 (1.5')

Lab Sample ID: 880-23350-24

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43254	01/05/23 11:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43201	01/06/23 01:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 13:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43251	01/05/23 12:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/06/23 04:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	43208	01/05/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			43279	01/06/23 11:34	CH	EET MID

Client Sample ID: SW-15 (1.5')

Lab Sample ID: 880-23350-25

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43254	01/05/23 11:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43201	01/06/23 01:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 13:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43251	01/05/23 12:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/06/23 05:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43208	01/05/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			43279	01/06/23 11:39	CH	EET MID

Client Sample ID: SW-16 (1.5')

Lab Sample ID: 880-23350-26

Date Collected: 01/05/23 00:00

Matrix: Solid

Date Received: 01/05/23 11:16

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	43254	01/05/23 11:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43201	01/06/23 03:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43335	01/06/23 08:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			43375	01/06/23 13:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43251	01/05/23 12:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43191	01/06/23 05:25	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43075	01/05/23 13:00	KS	EET MID
Soluble	Analysis	300.0		1			43283	01/06/23 18:27	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources

Job ID: 880-23350-1

Project/Site: Cottonmouth 13 Fed Com #1H Flowline (12.5.22)

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23350-1	CS-1 (6')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-2	CS-2 (6')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-3	CS-3 (2')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-4	CS-4 (2')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-5	CS-5 (2')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-6	CS-6 (2')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-7	CS-7 (2')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-8	CS-8 (1.5')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-9	CS-9 (1.5')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-10	CS-10 (1.5')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-11	SW-1 (6')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-12	SW-2 (6')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-13	SW-3 (6')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-14	SW-4 (4')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-15	SW-5 (4')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-16	SW-6 (2')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-17	SW-7 (2')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-18	SW-8 (0.5')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-19	SW-9 (2')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-20	SW-10 (1.5')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-21	SW-11 (1.5')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-22	SW-12 (1.5')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-23	SW-13 (1.5')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-24	SW-14 (1.5')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-25	SW-15 (1.5')	Solid	01/05/23 00:00	01/05/23 11:16
880-23350-26	SW-16 (1.5')	Solid	01/05/23 00:00	01/05/23 11:16

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Work Order No: 23350

Page 1 of 3

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 88258
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com
Work Order Comments			
Program: UST/PST ☐ PRP ☐ Brownfields ☐ JRC ☐ perfund ☐			
State of Project:			
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐			
Deliverables EDD ☐ ADAPT ☐ Other			

Project Name	Cottonmouth 13 Fed Com #1H Flowline (12 5 22)	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number	1199	☐ Routine	☒ Rush														None NO	DI Water H ₂ O			
Project Location	Eddy County, New Mexico	Due Date	24 Hrs														Cool Cool	MeOH Me			
Sampler's Name	MM																HCL HC	HNO ₃ HN			
PO #																	H ₂ SO ₄ H ₂	NaOH Na			
SAMPLE RECEIPT		Temp Blank	Yes/No	Wet Ice	Yes/No													H ₃ PO ₄ HP			
Received Intact:	Yes/No	Thermometer ID																NaHSO ₄ NABIS			
Cooler Custody Seals	Yes/No	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 (6)		1/5/2023		X		C	1	X	X	X							402				
CS-2 (6)		1/5/2023		X		C	1	X	X	X											
CS-3 (2)		1/5/2023		X		C	1	X	X	X											
CS-4 (2)		1/5/2023		X		C	1	X	X	X											
CS-5 (2)		1/5/2023		X		C	1	X	X	X											
CS-6 (2)		1/5/2023		X		C	1	X	X	X											
CS-7 (2)		1/5/2023		X		C	1	X	X	X											
CS-8 (1 5')		1/5/2023		X		C	1	X	X	X											
CS-9 (1 5')		1/5/2023		X		C	1	X	X	X											
CS-10 (1 5')		1/5/2023		X		C	1	X	X	X											

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com



Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
<i>Theresa Martin</i>		1/5/2023	<i>[Signature]</i>		

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1648 74 W 40th St

Work Order No: 23350

Page 2 of 3

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	Living NM 86258
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com

Work Order Comments	
Program: UST/ST ☐ PRP ☐ Brownfields ☐ RC ☐ Perfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ PRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name	Cottonmouth 13 Fed Com #1H Flowline (12 5 22)				Turn Around				ANALYSIS REQUEST												Preservative Codes									
Project Number	1199				☐ Routine	☒ Rush												None NO	DI Water	H ₂ O										
Project Location	Eddy County, New Mexico				Due Date	24 Hrs												Cool	Cool	MeOH	Me									
Sampler's Name	MM																HCL	HC	HNO ₃	HN										
PO #																	H ₂ SO ₄	H ₂	NaOH	Na										
SAMPLE RECEIPT	Temp Blank	Yes	No	Yes	No	Wet Ice	Yes	No	Parameters												H ₃ PO ₄	HP								
	Received Intact	Yes	No	Thermometer ID																								NaHSO ₄	NABIS	
	Cooler Custody Seals	Yes	No	N/A	Correction Factor																							Na ₂ S ₂ O ₃	NaSO ₃	
	Sample Custody Seals	Yes	No	N/A	Temperature Reading																							Zn Acetate+NaOH	Zn	
	Total Containers				Corrected Temperature																								NaOH+Ascorbic Acid	SAPC
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0 <																						

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	1/5/22 1:16		

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 88258
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com

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

Work Order No: 13350

[illegible]

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	11/5 11:16		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-23350-1

SDG Number: Eddy County, New Mexico

Login Number: 23350

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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

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

CONDITIONS

Action 178944

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 178944
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2234736505 COTTONMOUTH 13 FEDERAL COM 001H, thank you. This closure is approved.	5/22/2023