CARMONA RESOURCES

SITE INFORMATION

Closure Report
Wild Cap State Com 004H (09.05.22)
Incident #NAPP2225530722
Eddy County, New Mexico
Unit A Sec 36 T19S R31E
32.624°, -103.816°

Crude Oil Release
Point of Release: Cracked Sightglass and Gauge
Release Date: 09.05.22
Volume Released: 3.343 barrels of Crude Oil
Volume Recovered: 0 barrels of Crude Oil

CARMONA RESOURCES

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

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

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

CARMONA RESOURCES

TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT

5.0 REMEDIATION ACTIVITIES

6.0 CONCLUSIONS

FIGURES

FIGURE 1	**OVERVIEW**	**FIGURE 2**	**TOPOGRAPHIC**
FIGURE 3	**SAMPLE LOCATION**	**FIGURE 4**	**EXCAVATION**

APPENDICES

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

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

CARMONA RESOURCES

February 27, 2023

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

Re: Closure Report
Wild Cap State Com 004H (09.05.22)
Concho Operating, LLC
Site Location: Unit A, S36, T19S, R31E
(Lat 32.624º, Long -103.816º)
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 Wild Cap State Com 004H (09.05.22). The site is located at 32.624°, -103.816° within Unit A, S36, T19S, R31E, 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 September 5, 2022, caused by cracked sight glass and gauge failure. It released approximately three-point-three-four-three (3.343) barrels of crude oil, and zero (0) barrels of crude oil were recovered. The impacted area occurred on the pad, 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 low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is approximately 0.62 miles Southwest of the site in S36, T19S, R31E and was drilled in 1982. The well has a reported depth to groundwater of 130' 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, thefollowing 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 12, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. To assess the vertical and horizontal extent, four (4) sample points (S-1 through S-4) and six (6) horizontal points (H-1 through H-6) were advanced to depths ranging from the surface to 3’ 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

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

CARMONA RESOURCES

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 NMOCD division office was notified via email on February 1, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-2 was excavated to a depth of 3.5' below the surface, the area of S-3 was excavated to a depth of 2.5' below the surface, and the area of S-4 was excavated to a depth of 1.5' below the surface to remove all the impacted soils. A total of seven (7) floor confirmation samples were collected (CS-1 through CS-7), and seventeen (17) sidewall samples (SW-1 through SW-17) 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.

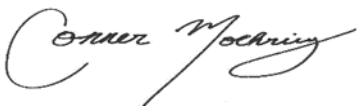
Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 220 cubic yards of material were excavated and transported offsite for proper disposal.

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



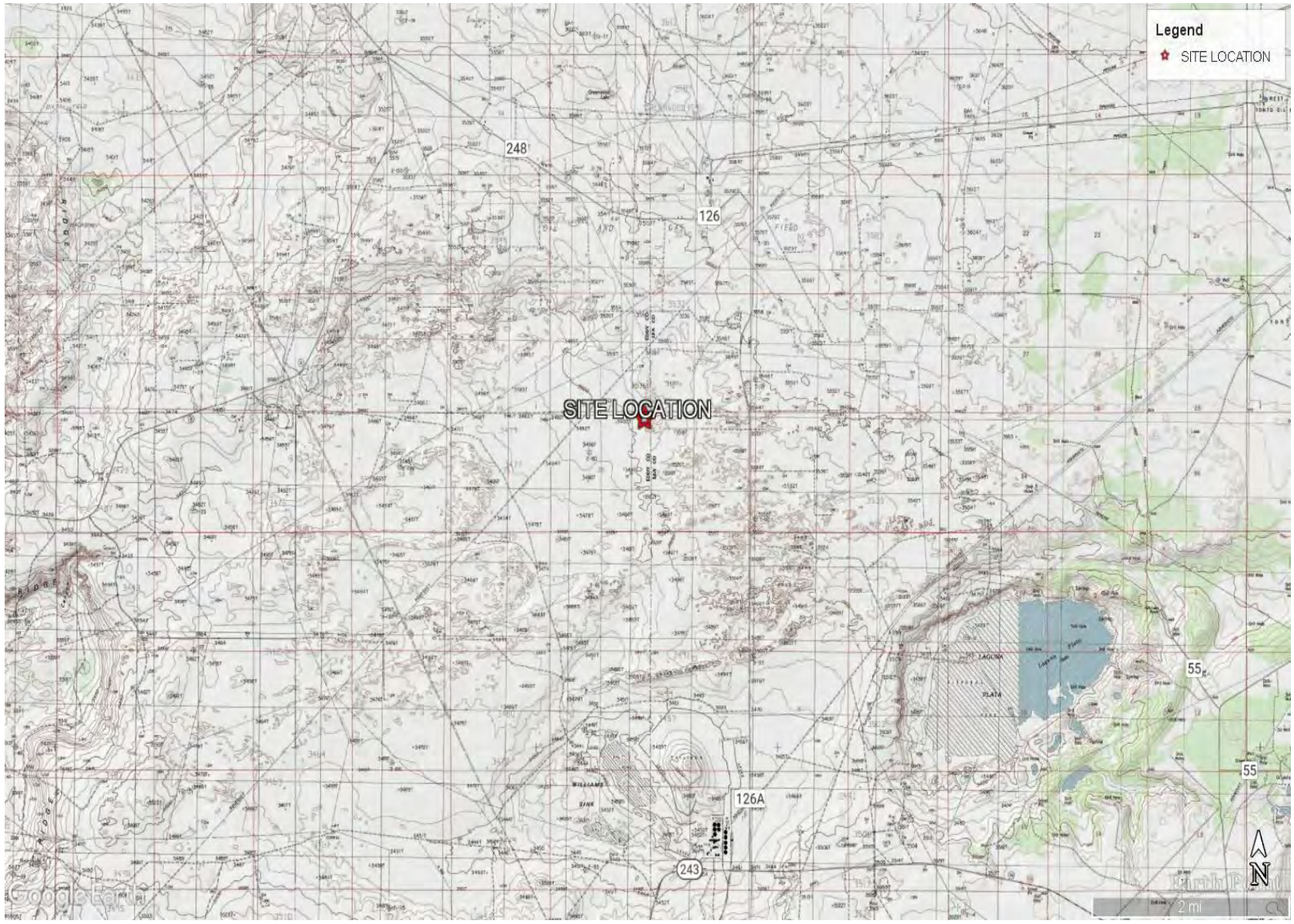
Conner Moehring
Sr. Project Manager

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

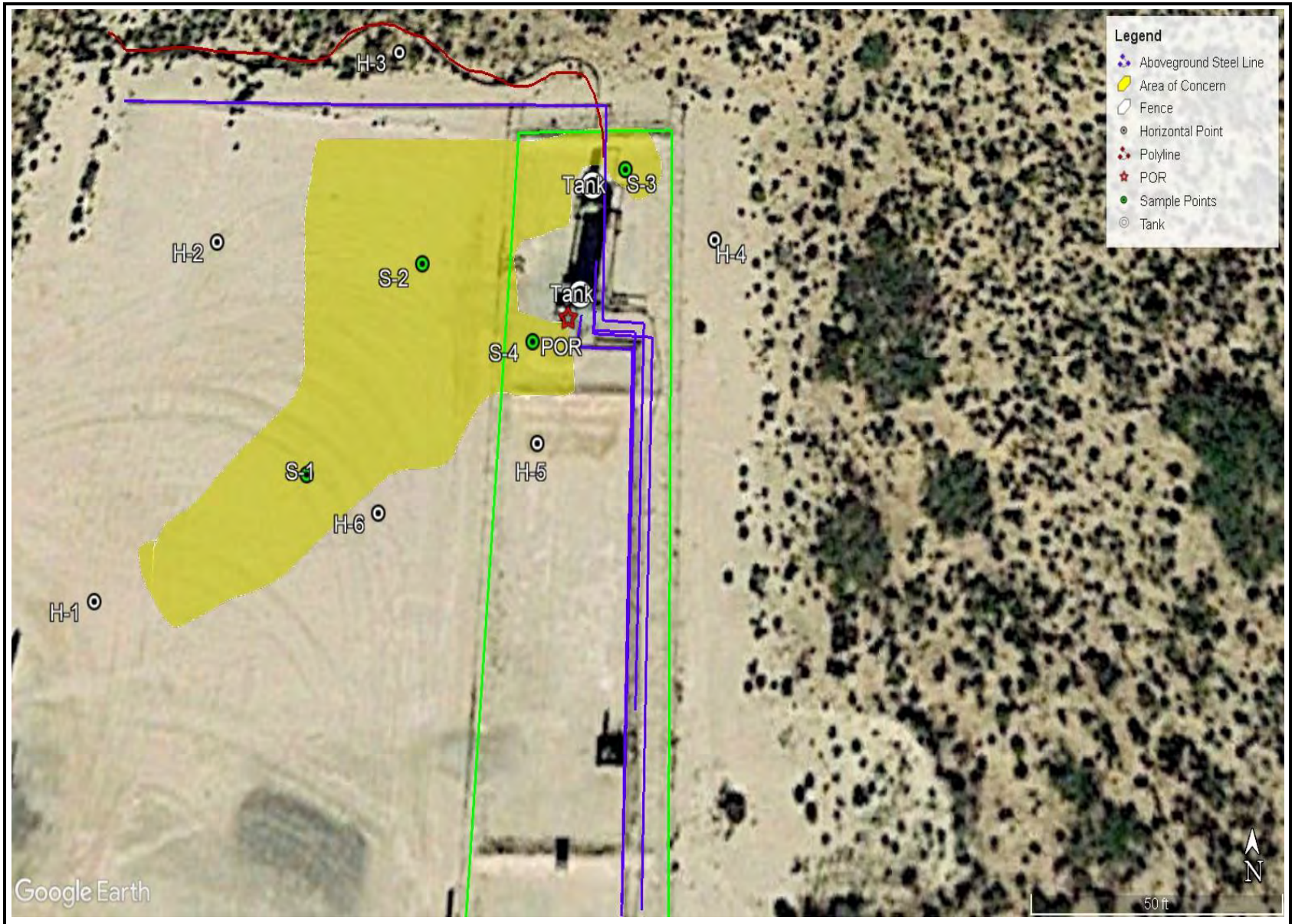
FIGURES

CARMONA RESOURCES

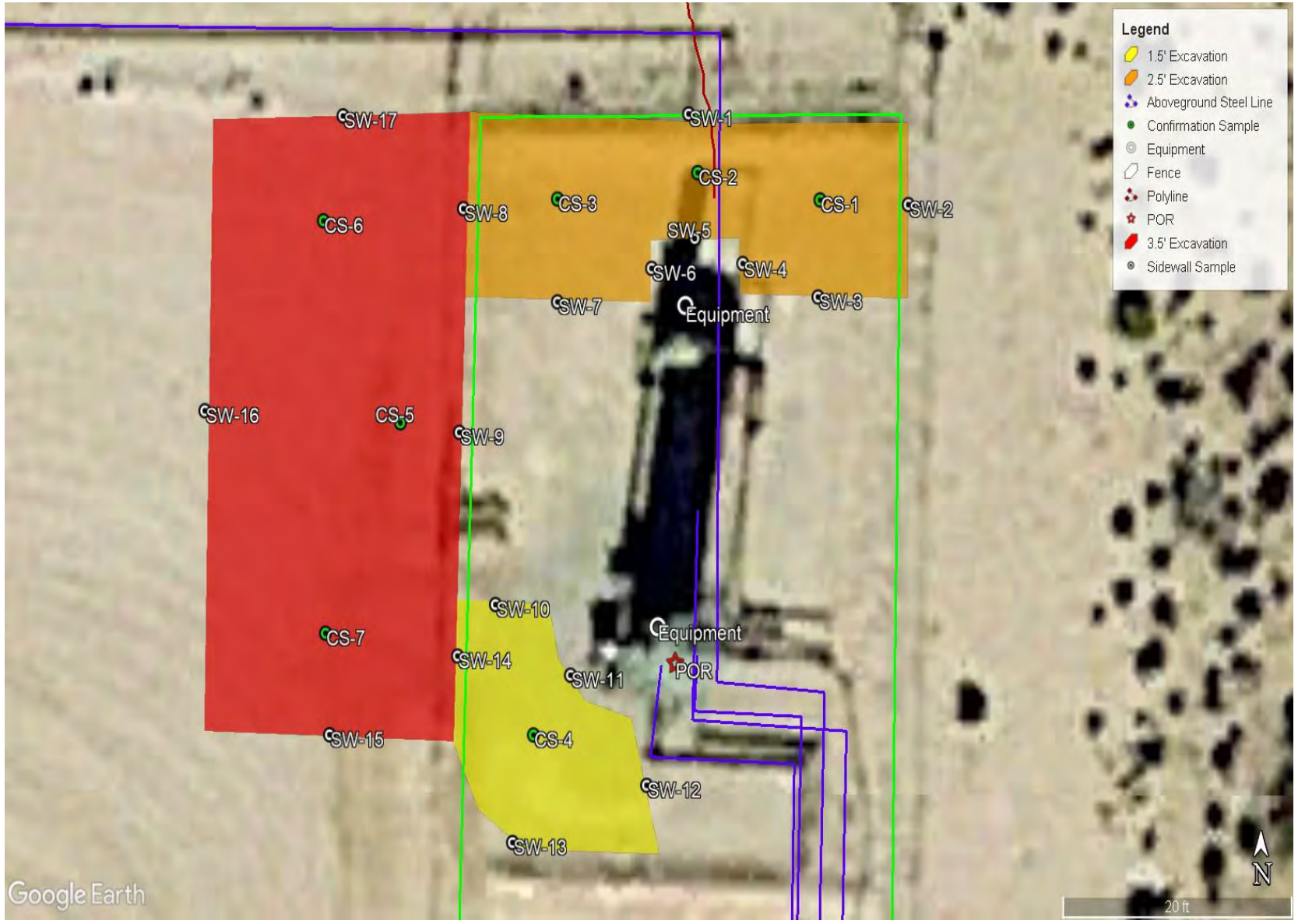
OVERVIEW MAP COG OPERATING, LLC WILD CAP STATE COM 004H (09.05.22) EDDY COUNTY, NEW MEXICO 32.624°, -103.816°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP COG OPERATING, LLC WILD CAP STATE COM 004H (09.05.22) EDDY COUNTY, NEW MEXICO 32.624°, -103.816°	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP COG OPERATING, LLC WILD CAP STATE COM 004H (09.05.22) EDDY COUNTY, NEW MEXICO 32.624°, -103.816°	CARMONA RESOURCES	FIGURE 3



EXCAVATION MAP COG OPERATING, LLC WILD CAP STATE COM 004H (09.05.22) EDDY COUNTY, NEW MEXICO 32.624°, -103.816°	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
COG
Wild Cap State Com 004H (09.05.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	12/12/2022	0-0.25	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.1
	"	0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	58.6
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	504
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	109
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	57.1
S-2	12/12/2022	0-0.25	**214**	**5,140**	**662**	**6,020**	0.225	<0.0404	2.13	8.11	10.5	**5,850**
	"	0.5	**106**	**3,770**	**499**	**4,380**	0.260	0.0570	0.585	2.39	3.29	**6,530**
	"	1.0	<50.0	**1,300**	**154**	**1,450**	0.230	<0.0400	0.0748	0.487	0.792	**5,530**
	"	1.5	<50.0	**680**	99.0	**779**	<0.00200	<0.00200	<0.00200	0.0108	0.0108	**1,180**
	"	2.0	<50.0	**434**	60.0	**494**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**941**
	"	3.0	<49.9	**387**	**55.1**	**442**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**771**
S-3	12/12/2022	0-0.25	**477**	**3,350**	**418**	**4,250**	0.180	3.76	10.4	25.5	39.8	20.9
	"	0.5	**393**	**4,920**	**635**	**5,950**	0.173	2.77	8.33	20.9	32.2	35.0
	"	1.0	<50.0	**627**	**68.4**	**695**	<0.00199	0.0237	0.0814	0.228	0.333	120
	"	1.5	<50.0	**893**	**95.4**	**988**	0.247	0.161	0.301	0.980	1.69	61.3
	"	2.0	<50.0	**397**	<50.0	**397**	<0.00198	0.00618	0.0175	0.0638	0.0875	63.3
S-4	12/12/2022	0-0.25	**971**	**9,410**	**1,300**	**11,700**	0.221	2.83	15.2	16.5	34.7	81.4
	"	0.5	**1,050**	**6,110**	**798**	**7,960**	0.173	11.9	31.6	59.5	103	78.4
	"	1.0	**209**	**2,060**	**294**	**2,560**	0.185	2.81	6.89	13.7	23.5	141
H-1	12/12/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	26.4
H-2	12/12/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	13.6
H-3	12/12/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.9
H-4	12/12/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.1
H-5	12/12/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.2
H-6	12/12/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	30.4
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
Wild Cap State Com 004H (09.05.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	2/3/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	46.2
CS-2	2/3/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<4.97
CS-3	2/3/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.05
CS-4	2/3/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	248
CS-5	2/3/2023	3.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	139
CS-6	2/3/2023	3.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	468
CS-7	2/3/2023	3.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	459
SW-1	2/3/2023	2.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	24.9
SW-2	2/3/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	107
SW-3	2/3/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	5.37
SW-4	2/3/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<5.02
SW-5	2/3/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.5
SW-6	2/3/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.98
SW-7	2/3/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	17.0
SW-8	2/3/2023	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	225
SW-9	2/3/2023	3.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	147
SW-10	2/3/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.73
SW-11	2/3/2023	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.97
SW-12	2/3/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.98
SW-13	2/3/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.95
SW-14	2/3/2023	2.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.05
SW-15	2/3/2023	3.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<4.97
SW-16	2/3/2023	3.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.95
SW-16	2/3/2023	3.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft - feet
(CS) - Confirmation Sample
(SW) - Side Wall

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Wild Cap State Com 004H (09.05.22)

County: Eddy County, New Mexico

Description:
View West, area of CS-1 and CS-2.

Photograph No. 2

Facility: Wild Cap State Com 004H (09.05.22)

County: Eddy County, New Mexico

Description:
View East, area of CS-2 and CS-3.

Photograph No. 3

Facility: Wild Cap State Com 004H (09.05.22)

County: Eddy County, New Mexico

Description:
View West, area of CS-4.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Wild Cap State Com 004H (09.05.22)

County: Eddy County, New Mexico

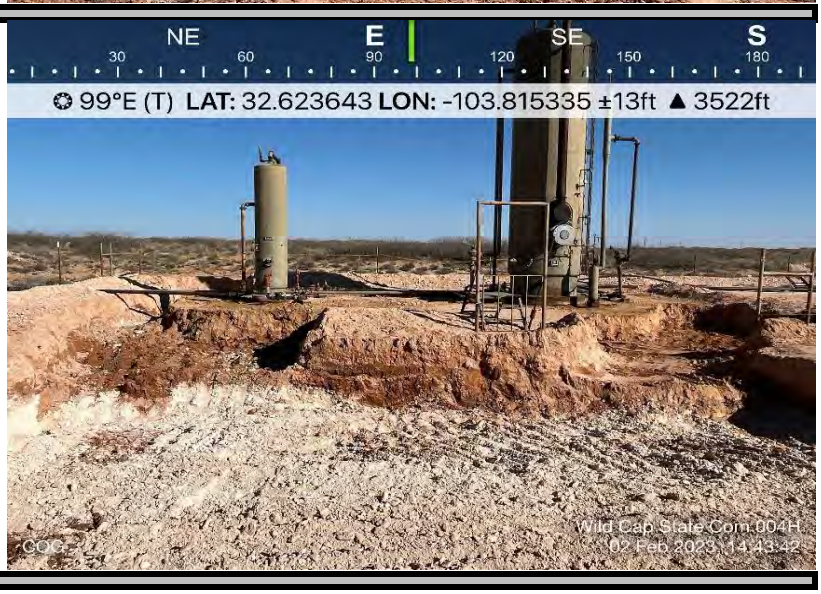
Description:
View South, area of CS-5 through CS-7.

Photograph No. 5

Facility: Wild Cap State Com 004H (09.05.22)

County: Eddy County, New Mexico

Description:
View East, area of CS-3 through CS-7.



CARMONA RESOURCES

APPENDIX C

CARMONA RESOURCES

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

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 not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Received by OCD: 3/2/2023 9:32:18 AM

L48 Spill Volume Estimate Form

Facility Name & Number:	CAP STATE 4H
Asset Area:	LOCATION PAD
Release Discovery Date & Time:	9/5/2022
Release Type:	Oil
Provide any known details about the event:	1/2" SIGHTGLASS CRACKED ON BOTTOM AND GAUGE COXS SAFETY FAILED

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated *Pool* Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	30.0	20.0	0.75	2	600.000	0.031	3.338	0.002	3.343			
Rectangle B					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
								Total Volume Release:	3.343			

Released to Imaging: 5/2/2023 1:05:05 PM

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/02/2023

State of New Mexico
Oil Conservation Division

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: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/02/2023

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: Jennifer Nobui Date: _____

Printed Name: _____ Title: _____

Miranda Milwee

From: Conner Moehring
Sent: Wednesday, February 1, 2023 1:55 PM
To: OCD.Enviro@emnrd.nm.gov <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona; Jacqui.Harris@conocophillips.com; Miranda Milwee
Subject: COG - Wild Cap State Com 004H (09.05.22) - Sampling Notification - NAPP2225530722

Good Afternoon,

On behalf of COG, Carmona Resources will collect confirmation samples at the below-referenced site on 2/3/23 around 3:00 p.m. Mountain Time. Please let me know if you have any questions.

COG – Wild Cap State Com 004H (09.05.22)
Incident #: NAPP2225530722
Eddy County, New Mexico
32.624, -103.816
Sec 36 T19S R31E Unit A

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

CARMONA RESOURCES

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

COG Operating

248

126

126A

102' - Drilled 1982

345' - Drilled 1982

142.71' - Drilled 1971

Wild Cap State Com 004H (09.05.22)

130' - Drilled 1982

Legend

- 0.50 Mile Radius
- 0.62 Miles
- 2.07 Miles
- 2.10 Miles
- 2.17 Miles
- NMSEO Water Well
- USGS Water Well
- Wild Cap State Com 004H (09.05.22)

N

1 mi

Received by OCD: 3/2/2023 9:32:18 AM

Low Karst

COG Operating

Legend

Low

Wild Cap State Com 004H (09.05.22)

126

126A

Wild Cap State Com 004H (09.05.22)

126A

N

1 mi

Google Earth

Released to Imaging: 5/2/2023 1:05:05 PM

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-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00641 POD1	CP	ED		4	1	36	19S	31E	610247	3609634*	1004	300	130	170
CP 00642 POD1	CP	ED		2	2	25	19S	31E	611025	3611657*	1463	250		
CP 00639 POD1	CP	LE		3	1	20	19S	32E	613029	3612880*	3317	350	345	5
CP 00563 POD1	CP	LE	1	1	2	19	19S	32E	612118	3613376*	3346	300		
CP 00640 POD1	CP	LE		2	2	19	19S	32E	612621	3613280*	3448	260	102	158

Average Depth to Water: **192 feet**

Minimum Depth: **102 feet**

Maximum Depth: **345 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 611080.29 **Northing (Y):** 3610194.94 **Radius:** 4000

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

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

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	CP 00641 POD1	4	1		36	19S	31E	610247	3609634*

Driller License:	882	**Driller Company:**	LARRY'S DRILLING & PUMP CO.		
Driller Name:	FELKINS, LARRY				
Drill Start Date:	02/11/1982	**Drill Finish Date:**	02/12/1982	**Plug Date:**	
Log File Date:	02/23/1982	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	300 feet	**Depth Water:**	130 feet

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

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

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00639 POD1	3	1		20	19S	32E	613029	3612880*

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

Driller License:	882	**Driller Company:**	LARRY'S DRILLING & PUMP CO.		
Driller Name:	FELKINS, LARRY				
Drill Start Date:	02/09/1982	**Drill Finish Date:**	02/10/1982	**Plug Date:**	
Log File Date:	03/23/1982	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	350 feet	**Depth Water:**	345 feet

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

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

Click to hideNews Bulletins

- See the Water Data for the Nation Blog for the latest news and updates.

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323803103510001

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

USGS 323803103510001 19S.31E.27.21000

Eddy County, New Mexico
Latitude 32°38'03", Longitude 103°51'00" NAD27
Land-surface elevation 3,503 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 measur
1966-05-12		D	62610		3331.44	NGVD29	P	Z		
1966-05-12		D	62611		3333.00	NAVD88	P	Z		
1966-05-12		D	72019	170.00			P	Z		
1968-04-03		D	62610		3358.81	NGVD29	1	Z		
1968-04-03		D	62611		3360.37	NAVD88	1	Z		
1968-04-03		D	72019	142.63			1	Z		
1971-02-01		D	62610		3358.73	NGVD29	1	Z		
1971-02-01		D	62611		3360.29	NAVD88	1	Z		
1971-02-01		D	72019	142.71			1	Z		

Explanation

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

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

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-12-12 18:02:09 EST
0.28 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)

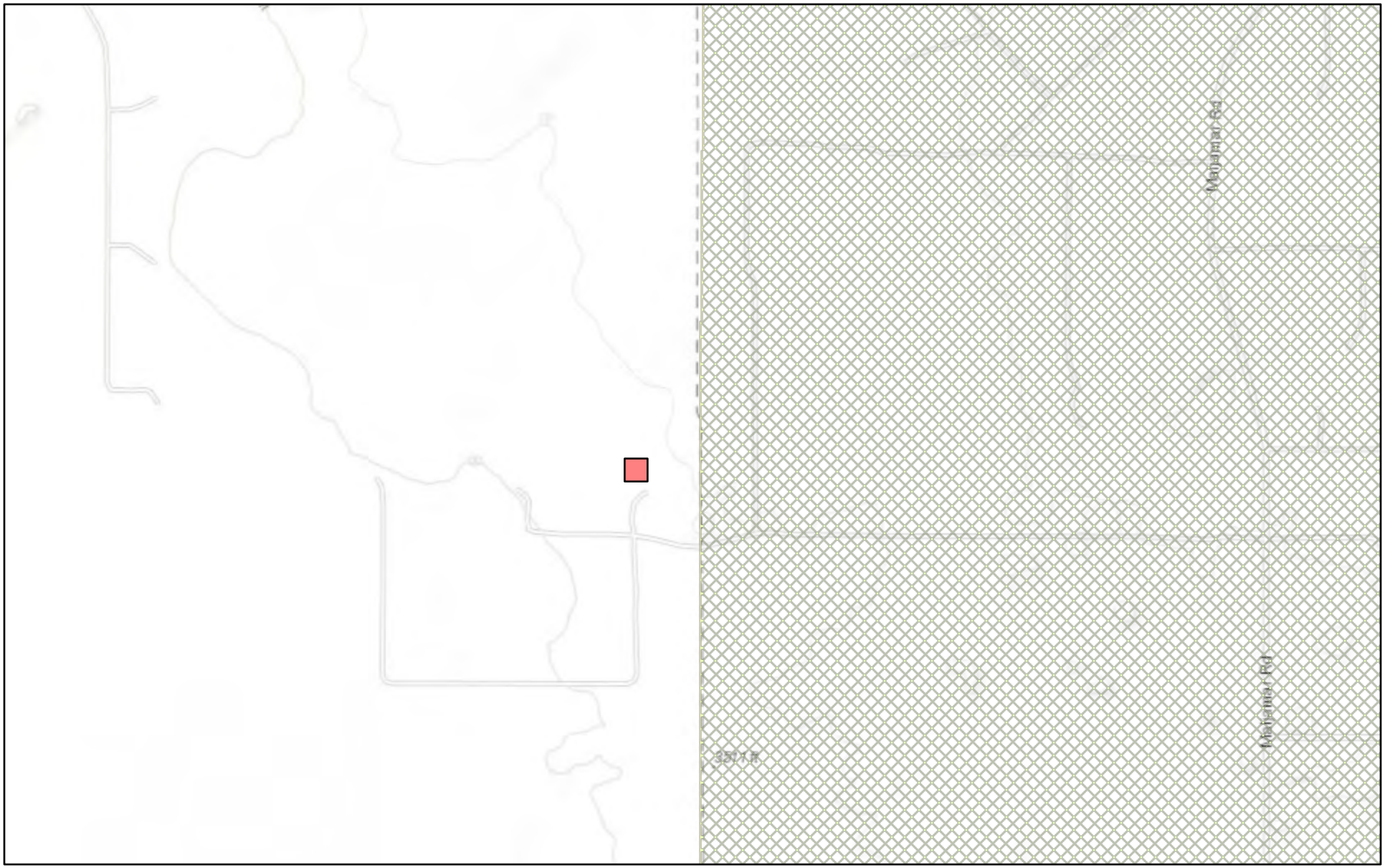
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00640 POD1		2	2	19	19S	32E	612621	3613280*

Driller License:	882	**Driller Company:**	LARRY'S DRILLING & PUMP CO.		
Driller Name:	FELKINS, LARRY				
Drill Start Date:	02/08/1982	**Drill Finish Date:**	02/09/1982	**Plug Date:**	
Log File Date:	03/04/1982	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	260 feet	**Depth Water:**	102 feet

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

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

New Mexico NFHL Data



December 12, 2022

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

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

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/19/2022 4:29:13 PM

JOB DESCRIPTION

Wild Cap State Com 004H (09.05.22)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-22626-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 3/2/2023 1:05:05 PM

my EOL

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
12/19/2022 4:29:13 PM

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

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Laboratory Job ID: 880-22626-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 11
QC Sample Results 12
QC Association Summary 16
Lab Chronicle 18
Certification Summary 20
Method Summary 21
Sample Summary 22
Chain of Custody 23
Receipt Checklists 24

Definitions/Glossary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
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
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: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

Job ID: 880-22626-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-22626-1

Receipt
The samples were received on 12/13/2022 10:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-6") (880-22626-1), H-2 (0-6") (880-22626-2), H-3 (0-6") (880-22626-3), H-4 (0-6") (880-22626-4), H-5 (0-6") (880-22626-5) and H-6 (0-6") (880-22626-6).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-41760/2-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-3 (0-6") (880-22626-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22626-1
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 14:20	12/16/22 11:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/22 14:20	12/16/22 11:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/22 14:20	12/16/22 11:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/22 14:20	12/16/22 11:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/22 14:20	12/16/22 11:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/22 14:20	12/16/22 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*12/13/22 14:20*	*12/16/22 11:15*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/13/22 14:20*	*12/16/22 11:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/16/22 13:48	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			12/14/22 16:09	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		12/13/22 15:25	12/14/22 13:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 13:24	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*12/13/22 15:25*	*12/14/22 13:24*	*1*
o-Terphenyl	*100*		*70 - 130*	*12/13/22 15:25*	*12/14/22 13:24*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.4**		5.01		mg/Kg			12/14/22 18:08	1

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

Lab Sample ID: 880-22626-2
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 14:20	12/16/22 15:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 15:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 15:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/22 14:20	12/16/22 15:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 15:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/22 14:20	12/16/22 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/13/22 14:20*	*12/16/22 15:42*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/13/22 14:20*	*12/16/22 15:42*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22626-2
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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			12/19/22 17:14	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			12/14/22 16:09	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		12/13/22 15:25	12/14/22 13:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/13/22 15:25	12/14/22 13:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/13/22 15:25	12/14/22 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*12/13/22 15:25*	*12/14/22 13:47*	*1*
o-Terphenyl	*113*		*70 - 130*	*12/13/22 15:25*	*12/14/22 13:47*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.6**		5.00		mg/Kg			12/14/22 18:15	1

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

Lab Sample ID: 880-22626-3
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 14:20	12/16/22 16:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/22 14:20	12/16/22 16:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/22 14:20	12/16/22 16:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/22 14:20	12/16/22 16:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/22 14:20	12/16/22 16:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/22 14:20	12/16/22 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/13/22 14:20*	*12/16/22 16:02*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/13/22 14:20*	*12/16/22 16:02*	*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			12/19/22 17:14	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			12/14/22 16:09	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		12/13/22 15:25	12/14/22 14:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 14:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22626-3
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*12/13/22 15:25*	*12/14/22 14:08*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/13/22 15:25*	*12/14/22 14:08*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.9**		5.02		mg/Kg			12/14/22 18:22	1

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

Lab Sample ID: 880-22626-4
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 14:20	12/16/22 16:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/22 14:20	12/16/22 16:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/22 14:20	12/16/22 16:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/22 14:20	12/16/22 16:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/22 14:20	12/16/22 16:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/22 14:20	12/16/22 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*12/13/22 14:20*	*12/16/22 16:54*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*12/13/22 14:20*	*12/16/22 16:54*	*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			12/19/22 17:14	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			12/14/22 16:09	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		12/13/22 15:25	12/14/22 14:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 14:30	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*12/13/22 15:25*	*12/14/22 14:30*	*1*
o-Terphenyl	*101*		*70 - 130*	*12/13/22 15:25*	*12/14/22 14:30*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.1**		5.01		mg/Kg			12/14/22 18:28	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22626-5
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 14:20	12/16/22 17:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/22 14:20	12/16/22 17:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/22 14:20	12/16/22 17:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/22 14:20	12/16/22 17:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/22 14:20	12/16/22 17:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/22 14:20	12/16/22 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*12/13/22 14:20*	*12/16/22 17:14*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/13/22 14:20*	*12/16/22 17:14*	*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			12/19/22 17:14	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			12/14/22 16:09	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		12/13/22 15:25	12/14/22 14:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 14:53	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*12/13/22 15:25*	*12/14/22 14:53*	*1*
o-Terphenyl	*107*		*70 - 130*	*12/13/22 15:25*	*12/14/22 14:53*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.2**		5.00		mg/Kg			12/14/22 18:35	1

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

Lab Sample ID: 880-22626-6
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 14:20	12/16/22 17:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/22 14:20	12/16/22 17:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/22 14:20	12/16/22 17:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/22 14:20	12/16/22 17:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/22 14:20	12/16/22 17:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/22 14:20	12/16/22 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*12/13/22 14:20*	*12/16/22 17:35*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/13/22 14:20*	*12/16/22 17:35*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

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

Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Lab Sample ID: 880-22626-6

Matrix: Solid

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			12/19/22 17:14	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			12/15/22 10:19	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		12/13/22 15:25	12/14/22 15:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 15:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*12/13/22 15:25*	*12/14/22 15:36*	*1*
o-Terphenyl	*100*		*70 - 130*	*12/13/22 15:25*	*12/14/22 15:36*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.4**		5.00		mg/Kg			12/14/22 18:41	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
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)
880-22626-1	H-1 (0-6")	121	101
880-22626-1 MS	H-1 (0-6")	121	111
880-22626-1 MSD	H-1 (0-6")	107	114
880-22626-2	H-2 (0-6")	103	103
880-22626-3	H-3 (0-6")	108	101
880-22626-4	H-4 (0-6")	124	111
880-22626-5	H-5 (0-6")	100	99
880-22626-6	H-6 (0-6")	99	95
LCS 880-41760/1-A	Lab Control Sample	107	109
LCSD 880-41760/2-A	Lab Control Sample Dup	133 S1+	126
MB 880-41760/5-A	Method Blank	89	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)
880-22626-1	H-1 (0-6")	100	100
880-22626-2	H-2 (0-6")	118	113
880-22626-3	H-3 (0-6")	131 S1+	125
880-22626-4	H-4 (0-6")	101	101
880-22626-5	H-5 (0-6")	106	107
880-22626-6	H-6 (0-6")	101	100
880-22643-A-1-C MS	Matrix Spike	87	81
880-22643-A-1-D MSD	Matrix Spike Duplicate	103	94
LCS 880-41766/2-A	Lab Control Sample	110	113
LCSD 880-41766/3-A	Lab Control Sample Dup	99	108
MB 880-41766/1-A	Method Blank	119	109

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-41760/5-A
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/13/22 14:20	12/16/22 10:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*12/13/22 14:20*	*12/16/22 10:54*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/13/22 14:20*	*12/16/22 10:54*	*1*

Lab Sample ID: LCS 880-41760/1-A
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41760

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1028		mg/Kg		103	70 - 130		
Toluene			0.100	0.09358		mg/Kg		94	70 - 130		
Ethylbenzene			0.100	0.09654		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene			0.200	0.2017		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.09938		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-41760/2-A
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41760

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1096		mg/Kg		110	70 - 130	6	35
Toluene			0.100	0.1076		mg/Kg		108	70 - 130	14	35
Ethylbenzene			0.100	0.1121		mg/Kg		112	70 - 130	15	35
m-Xylene & p-Xylene			0.200	0.2434		mg/Kg		122	70 - 130	19	35
o-Xylene			0.100	0.1213		mg/Kg		121	70 - 130	20	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*

Lab Sample ID: 880-22626-1 MS
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: H-1 (0-6")
Prep Type: Total/NA
Prep Batch: 41760

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.09838		mg/Kg		98	70 - 130		
Toluene	<0.00199	U	0.100	0.09703		mg/Kg		97	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22626-1 MS — **Client Sample ID: H-1 (0-6")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41992 — **Prep Batch: 41760**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.100	0.1047		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2249		mg/Kg		112	70 - 130
o-Xylene	<0.00199	U	0.100	0.1105		mg/Kg		110	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-22626-1 MSD — **Client Sample ID: H-1 (0-6")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41992 — **Prep Batch: 41760**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.09796		mg/Kg		99	70 - 130	0	35
Toluene	<0.00199	U	0.0990	0.08811		mg/Kg		89	70 - 130	10	35
Ethylbenzene	<0.00199	U	0.0990	0.09055		mg/Kg		91	70 - 130	15	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1851		mg/Kg		93	70 - 130	19	35
o-Xylene	<0.00199	U	0.0990	0.09137		mg/Kg		92	70 - 130	19	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

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

Lab Sample ID: MB 880-41766/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41774 — **Prep Batch: 41766**

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		12/13/22 15:25	12/14/22 08:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 08:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/22 15:25	12/14/22 08:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*12/13/22 15:25*	*12/14/22 08:16*	*1*
o-Terphenyl	*109*		*70 - 130*	*12/13/22 15:25*	*12/14/22 08:16*	*1*

Lab Sample ID: LCS 880-41766/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41774 — **Prep Batch: 41766**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	870.8		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	786.9		mg/Kg		79	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-41766/2-A
Matrix: Solid
Analysis Batch: 41774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41766

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-41766/3-A
Matrix: Solid
Analysis Batch: 41774

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41766

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	867.5		mg/Kg		87	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	744.5		mg/Kg		74	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-22643-A-1-C MS
Matrix: Solid
Analysis Batch: 41774

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 41766

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	999	895.1		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	852.8		mg/Kg		82	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-22643-A-1-D MSD
Matrix: Solid
Analysis Batch: 41774

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 41766

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	997	1032		mg/Kg		104	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	996.3		mg/Kg		97	70 - 130	16	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	94		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41743/1-A
Matrix: Solid
Analysis Batch: 41857

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			12/14/22 16:49	1

Lab Sample ID: LCS 880-41743/2-A
Matrix: Solid
Analysis Batch: 41857

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	241.1		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-41743/3-A
Matrix: Solid
Analysis Batch: 41857

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	244.6		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-22626-6 MS
Matrix: Solid
Analysis Batch: 41857

Client Sample ID: H-6 (0-6")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	30.4		250	274.2		mg/Kg		98	90 - 110		

Lab Sample ID: 880-22626-6 MSD
Matrix: Solid
Analysis Batch: 41857

Client Sample ID: H-6 (0-6")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	30.4		250	277.3		mg/Kg		99	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 41760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22626-1	H-1 (0-6")	Total/NA	Solid	5035	
880-22626-2	H-2 (0-6")	Total/NA	Solid	5035	
880-22626-3	H-3 (0-6")	Total/NA	Solid	5035	
880-22626-4	H-4 (0-6")	Total/NA	Solid	5035	
880-22626-5	H-5 (0-6")	Total/NA	Solid	5035	
880-22626-6	H-6 (0-6")	Total/NA	Solid	5035	
MB 880-41760/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41760/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41760/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22626-1 MS	H-1 (0-6")	Total/NA	Solid	5035	
880-22626-1 MSD	H-1 (0-6")	Total/NA	Solid	5035	

Analysis Batch: 41992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22626-1	H-1 (0-6")	Total/NA	Solid	8021B	41760
880-22626-2	H-2 (0-6")	Total/NA	Solid	8021B	41760
880-22626-3	H-3 (0-6")	Total/NA	Solid	8021B	41760
880-22626-4	H-4 (0-6")	Total/NA	Solid	8021B	41760
880-22626-5	H-5 (0-6")	Total/NA	Solid	8021B	41760
880-22626-6	H-6 (0-6")	Total/NA	Solid	8021B	41760
MB 880-41760/5-A	Method Blank	Total/NA	Solid	8021B	41760
LCS 880-41760/1-A	Lab Control Sample	Total/NA	Solid	8021B	41760
LCSD 880-41760/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41760
880-22626-1 MS	H-1 (0-6")	Total/NA	Solid	8021B	41760
880-22626-1 MSD	H-1 (0-6")	Total/NA	Solid	8021B	41760

Analysis Batch: 42037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22626-1	H-1 (0-6")	Total/NA	Solid	Total BTEX	
880-22626-2	H-2 (0-6")	Total/NA	Solid	Total BTEX	
880-22626-3	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-22626-4	H-4 (0-6")	Total/NA	Solid	Total BTEX	
880-22626-5	H-5 (0-6")	Total/NA	Solid	Total BTEX	
880-22626-6	H-6 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22626-1	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-22626-2	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-22626-3	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-22626-4	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-22626-5	H-5 (0-6")	Total/NA	Solid	8015NM Prep	
880-22626-6	H-6 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-41766/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41766/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41766/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22643-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-22643-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 41774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22626-1	H-1 (0-6")	Total/NA	Solid	8015B NM	41766
880-22626-2	H-2 (0-6")	Total/NA	Solid	8015B NM	41766
880-22626-3	H-3 (0-6")	Total/NA	Solid	8015B NM	41766
880-22626-4	H-4 (0-6")	Total/NA	Solid	8015B NM	41766
880-22626-5	H-5 (0-6")	Total/NA	Solid	8015B NM	41766
880-22626-6	H-6 (0-6")	Total/NA	Solid	8015B NM	41766
MB 880-41766/1-A	Method Blank	Total/NA	Solid	8015B NM	41766
LCS 880-41766/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41766
LCSD 880-41766/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41766
880-22643-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	41766
880-22643-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	41766

Analysis Batch: 41853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22626-1	H-1 (0-6")	Total/NA	Solid	8015 NM	
880-22626-2	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-22626-3	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-22626-4	H-4 (0-6")	Total/NA	Solid	8015 NM	
880-22626-5	H-5 (0-6")	Total/NA	Solid	8015 NM	
880-22626-6	H-6 (0-6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 41743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22626-1	H-1 (0-6")	Soluble	Solid	DI Leach	
880-22626-2	H-2 (0-6")	Soluble	Solid	DI Leach	
880-22626-3	H-3 (0-6")	Soluble	Solid	DI Leach	
880-22626-4	H-4 (0-6")	Soluble	Solid	DI Leach	
880-22626-5	H-5 (0-6")	Soluble	Solid	DI Leach	
880-22626-6	H-6 (0-6")	Soluble	Solid	DI Leach	
MB 880-41743/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41743/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41743/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22626-6 MS	H-6 (0-6")	Soluble	Solid	DI Leach	
880-22626-6 MSD	H-6 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 41857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22626-1	H-1 (0-6")	Soluble	Solid	300.0	41743
880-22626-2	H-2 (0-6")	Soluble	Solid	300.0	41743
880-22626-3	H-3 (0-6")	Soluble	Solid	300.0	41743
880-22626-4	H-4 (0-6")	Soluble	Solid	300.0	41743
880-22626-5	H-5 (0-6")	Soluble	Solid	300.0	41743
880-22626-6	H-6 (0-6")	Soluble	Solid	300.0	41743
MB 880-41743/1-A	Method Blank	Soluble	Solid	300.0	41743
LCS 880-41743/2-A	Lab Control Sample	Soluble	Solid	300.0	41743
LCSD 880-41743/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41743
880-22626-6 MS	H-6 (0-6")	Soluble	Solid	300.0	41743
880-22626-6 MSD	H-6 (0-6")	Soluble	Solid	300.0	41743

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22626-1
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41760	12/13/22 14:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/16/22 11:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42037	12/16/22 13:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			41853	12/14/22 16:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41766	12/13/22 15:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41774	12/14/22 13:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41743	12/13/22 12:38	KS	EET MID
Soluble	Analysis	300.0		1			41857	12/14/22 18:08	CH	EET MID

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

Lab Sample ID: 880-22626-2
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41760	12/13/22 14:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/16/22 15:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42037	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41853	12/14/22 16:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41766	12/13/22 15:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41774	12/14/22 13:47	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41743	12/13/22 12:38	KS	EET MID
Soluble	Analysis	300.0		1			41857	12/14/22 18:15	CH	EET MID

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

Lab Sample ID: 880-22626-3
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41760	12/13/22 14:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/16/22 16:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42037	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41853	12/14/22 16:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41766	12/13/22 15:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41774	12/14/22 14:08	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41743	12/13/22 12:38	KS	EET MID
Soluble	Analysis	300.0		1			41857	12/14/22 18:22	CH	EET MID

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

Lab Sample ID: 880-22626-4
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41760	12/13/22 14:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/16/22 16:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42037	12/19/22 17:14	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22626-4
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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			41853	12/14/22 16:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41766	12/13/22 15:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41774	12/14/22 14:30	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41743	12/13/22 12:38	KS	EET MID
Soluble	Analysis	300.0		1			41857	12/14/22 18:28	CH	EET MID

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

Lab Sample ID: 880-22626-5
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41760	12/13/22 14:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/16/22 17:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42037	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41853	12/14/22 16:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41766	12/13/22 15:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41774	12/14/22 14:53	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41743	12/13/22 12:38	KS	EET MID
Soluble	Analysis	300.0		1			41857	12/14/22 18:35	CH	EET MID

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

Lab Sample ID: 880-22626-6
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41760	12/13/22 14:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41992	12/16/22 17:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42037	12/19/22 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			41853	12/15/22 10:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41766	12/13/22 15:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41774	12/14/22 15:36	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41743	12/14/22 16:00	KS	EET MID
Soluble	Analysis	300.0		1			41857	12/14/22 18:41	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
Job ID: 880-22626-1
Project/Site: Wild Cap State Com 004H (09.05.22)
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

Method Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
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: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22626-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22626-1	H-1 (0-6")	Solid	12/12/22 00:00	12/13/22 10:45
880-22626-2	H-2 (0-6")	Solid	12/12/22 00:00	12/13/22 10:45
880-22626-3	H-3 (0-6")	Solid	12/12/22 00:00	12/13/22 10:45
880-22626-4	H-4 (0-6")	Solid	12/12/22 00:00	12/13/22 10:45
880-22626-5	H-5 (0-6")	Solid	12/12/22 00:00	12/13/22 10:45
880-22626-6	H-6 (0-6")	Solid	12/12/22 00:00	12/13/22 10:45

Page 57 of 159

12/19/2022

Work Order No: 226026

Page 1 of 1

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address.	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving, NM 88258
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com

Work Order Comments

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

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Wild Cap State Com 004H (09 05 22)	Turn Around	
Project Number	1202	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date	48 Hrs
Sampler's Name	MM		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	-.3
Sample Custody Seals	Yes No (N/A)	Temperature Reading	4.3
Total Containers.		Corrected Temperature	4.0

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
H-1 (0-6")	12/12/2022		X		G	1		X	X	X
H-2 (0-6")	12/12/2022		X		G	1		X	X	X
H-3 (0-6")	12/12/2022		X		G	1		X	X	X
H-4 (0-6")	12/12/2022		X		G	1		X	X	X
H-5 (0-6")	12/12/2022		X		G	1		X	X	X
H-6 (0-6")	12/12/2022		X		G	1		X	X	X

ANALYSIS REQUEST

Preservative Codes

None NO — DI Water H_2O

Cool Cool — MeOH Me

HCL HC — HNO_3 HN

H_2S0_4 H_2 — NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

402

880-22626 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
	12/13/22 1045		

Page 23 of 24

Received by OCD: 3/2/2023 9:32:18 AM

Released to Imaging: 5/2/2023 1:05:05 PM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22626-1
SDG Number: Eddy County, New Mexico

Login Number: 22626
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/16/2022 2:08:18 PM

JOB DESCRIPTION

Wild Cap State Com 004H (09.05.22)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-22628-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 3/2/2023 1:05:05 PM

my EOL

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
12/16/2022 2:08:18 PM

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 22
QC Sample Results 24
QC Association Summary 30
Lab Chronicle 35
Certification Summary 41
Method Summary 42
Sample Summary 43
Chain of Custody 44
Receipt Checklists 46

Definitions/Glossary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
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
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

Case Narrative

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Job ID: 880-22628-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-22628-1

Receipt
The samples were received on 12/13/2022 10:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-3") (880-22628-1), S-1 (6") (880-22628-2), S-1 (12") (880-22628-3), S-1 (18") (880-22628-4), S-1 (2') (880-22628-5), S-2 (0-3") (880-22628-6), S-2 (6") (880-22628-7), S-2 (12") (880-22628-8), S-2 (18") (880-22628-9), S-2 (2') (880-22628-10), S-2 (3') (880-22628-11), S-3 (0-3') (880-22628-12), S-3 (6") (880-22628-13), S-3 (12") (880-22628-14), S-3 (18") (880-22628-15), S-3 (2') (880-22628-16), S-4 (0-3") (880-22628-17), S-4 (0-3") (880-22628-18), S-4 (6") (880-22628-19) and S-4 (12") (880-22628-20).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: S-2 (0-3") (880-22628-6) and S-2 (6") (880-22628-7). 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-3 (12") (880-22628-14). 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: S-3 (0-3') (880-22628-12) and S-3 (6") (880-22628-13). 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: S-4 (0-3") (880-22628-17), S-4 (6") (880-22628-19) and S-4 (12") (880-22628-20). 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-3 (0-3') (880-22628-12). 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: (LCSD 880-41760/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-3 (6") (880-22628-13). 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-4 (0-3") (880-22628-17). 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-4 (6") (880-22628-19). 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 880-41740 and analytical batch 880-41776 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-4 (0-3") (880-22628-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Job ID: 880-22628-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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 880-41745 and analytical batch 880-41940 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.

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22628-1
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 13:43	12/15/22 12:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/22 13:43	12/15/22 12:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/22 13:43	12/15/22 12:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/22 13:43	12/15/22 12:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/22 13:43	12/15/22 12:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/22 13:43	12/15/22 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*12/13/22 13:43*	*12/15/22 12:01*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/13/22 13:43*	*12/15/22 12:01*	*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			12/15/22 15:59	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			12/15/22 10:53	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		12/13/22 11:59	12/14/22 20:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/13/22 11:59	12/14/22 20:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/22 11:59	12/14/22 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*12/13/22 11:59*	*12/14/22 20:43*	*1*
o-Terphenyl	*117*		*70 - 130*	*12/13/22 11:59*	*12/14/22 20:43*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.1**		5.00		mg/Kg			12/15/22 22:23	1

Client Sample ID: S-1 (6")

Lab Sample ID: 880-22628-2
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 13:43	12/15/22 12:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/13/22 13:43	12/15/22 12:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/13/22 13:43	12/15/22 12:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/13/22 13:43	12/15/22 12:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/13/22 13:43	12/15/22 12:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/13/22 13:43	12/15/22 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/13/22 13:43*	*12/15/22 12:22*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/13/22 13:43*	*12/15/22 12:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (6")

Lab Sample ID: 880-22628-2
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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			12/15/22 15:59	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			12/15/22 10:53	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		12/13/22 11:59	12/14/22 21:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/13/22 11:59	12/14/22 21:48	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/13/22 11:59	12/14/22 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*12/13/22 11:59*	*12/14/22 21:48*	*1*
o-Terphenyl	*108*		*70 - 130*	*12/13/22 11:59*	*12/14/22 21:48*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.6**		5.04		mg/Kg			12/15/22 22:45	1

Client Sample ID: S-1 (12")

Lab Sample ID: 880-22628-3
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 13:43	12/15/22 12:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/22 13:43	12/15/22 12:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/22 13:43	12/15/22 12:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/22 13:43	12/15/22 12:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/22 13:43	12/15/22 12:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/22 13:43	12/15/22 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*12/13/22 13:43*	*12/15/22 12:43*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/13/22 13:43*	*12/15/22 12:43*	*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			12/15/22 15:59	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			12/15/22 10:53	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		12/13/22 11:59	12/14/22 22:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/13/22 11:59	12/14/22 22:31	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (12")

Lab Sample ID: 880-22628-3
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/13/22 11:59	12/14/22 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*12/13/22 11:59*	*12/14/22 22:31*	*1*
o-Terphenyl	*110*		*70 - 130*	*12/13/22 11:59*	*12/14/22 22:31*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**504**		5.03		mg/Kg			12/15/22 22:52	1

Client Sample ID: S-1 (18")

Lab Sample ID: 880-22628-4
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 13:43	12/15/22 13:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/22 13:43	12/15/22 13:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/22 13:43	12/15/22 13:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/22 13:43	12/15/22 13:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/22 13:43	12/15/22 13:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/22 13:43	12/15/22 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/13/22 13:43*	*12/15/22 13:03*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/13/22 13:43*	*12/15/22 13:03*	*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			12/15/22 15:59	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			12/15/22 10:53	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		12/13/22 11:59	12/14/22 22:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/13/22 11:59	12/14/22 22:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/22 11:59	12/14/22 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/13/22 11:59*	*12/14/22 22:52*	*1*
o-Terphenyl	*101*		*70 - 130*	*12/13/22 11:59*	*12/14/22 22:52*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		5.05		mg/Kg			12/15/22 22:59	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-22628-5
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 13:43	12/15/22 13:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/22 13:43	12/15/22 13:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/22 13:43	12/15/22 13:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/13/22 13:43	12/15/22 13:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/22 13:43	12/15/22 13:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/13/22 13:43	12/15/22 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/13/22 13:43*	*12/15/22 13:24*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/13/22 13:43*	*12/15/22 13:24*	*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			12/15/22 15:59	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			12/15/22 10:53	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		12/13/22 11:59	12/14/22 23:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/13/22 11:59	12/14/22 23:13	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/13/22 11:59	12/14/22 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*12/13/22 11:59*	*12/14/22 23:13*	*1*
o-Terphenyl	*119*		*70 - 130*	*12/13/22 11:59*	*12/14/22 23:13*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.1**		4.95		mg/Kg			12/15/22 23:07	1

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

Lab Sample ID: 880-22628-6
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.225**		0.0404		mg/Kg		12/13/22 13:43	12/15/22 14:26	20
Toluene	<0.0404	U	0.0404		mg/Kg		12/13/22 13:43	12/15/22 14:26	20
Ethylbenzene	**2.13**		0.0404		mg/Kg		12/13/22 13:43	12/15/22 14:26	20
m-Xylene & p-Xylene	**4.80**		0.0808		mg/Kg		12/13/22 13:43	12/15/22 14:26	20
o-Xylene	**3.31**		0.0404		mg/Kg		12/13/22 13:43	12/15/22 14:26	20
Xylenes, Total	**8.11**		0.0808		mg/Kg		12/13/22 13:43	12/15/22 14:26	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*349*	*S1+*	*70 - 130*	*12/13/22 13:43*	*12/15/22 14:26*	*20*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/13/22 13:43*	*12/15/22 14:26*	*20*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22628-6
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	10.5		0.0808		mg/Kg			12/15/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6020		50.0		mg/Kg			12/15/22 10:53	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	214		50.0		mg/Kg		12/13/22 11:59	12/15/22 02:08	1
Diesel Range Organics (Over C10-C28)	5140		50.0		mg/Kg		12/13/22 11:59	12/15/22 02:08	1
Oil Range Organics (Over C28-C36)	662		50.0		mg/Kg		12/13/22 11:59	12/15/22 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*12/13/22 11:59*	*12/15/22 02:08*	*1*
o-Terphenyl	*111*		*70 - 130*	*12/13/22 11:59*	*12/15/22 02:08*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5850		50.3		mg/Kg			12/15/22 23:28	10

Client Sample ID: S-2 (6")

Lab Sample ID: 880-22628-7
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.260		0.0398		mg/Kg		12/13/22 13:43	12/15/22 14:47	20
Toluene	0.0570		0.0398		mg/Kg		12/13/22 13:43	12/15/22 14:47	20
Ethylbenzene	0.585		0.0398		mg/Kg		12/13/22 13:43	12/15/22 14:47	20
m-Xylene & p-Xylene	1.39		0.0797		mg/Kg		12/13/22 13:43	12/15/22 14:47	20
o-Xylene	0.999		0.0398		mg/Kg		12/13/22 13:43	12/15/22 14:47	20
Xylenes, Total	2.39		0.0797		mg/Kg		12/13/22 13:43	12/15/22 14:47	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*192*	*S1+*	*70 - 130*	*12/13/22 13:43*	*12/15/22 14:47*	*20*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/13/22 13:43*	*12/15/22 14:47*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.29		0.0797		mg/Kg			12/15/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4380		49.9		mg/Kg			12/15/22 10:53	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	106		49.9		mg/Kg		12/13/22 11:59	12/15/22 03:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (6")

Lab Sample ID: 880-22628-7
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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)	3770		49.9		mg/Kg		12/13/22 11:59	12/15/22 03:14	1
Oil Range Organics (Over C28-C36)	499		49.9		mg/Kg		12/13/22 11:59	12/15/22 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/13/22 11:59*	*12/15/22 03:14*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/13/22 11:59*	*12/15/22 03:14*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6530		50.1		mg/Kg			12/15/22 23:35	10

Client Sample ID: S-2 (12")

Lab Sample ID: 880-22628-8
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.230		0.0400		mg/Kg		12/13/22 13:43	12/15/22 17:32	20
Toluene	<0.0400	U	0.0400		mg/Kg		12/13/22 13:43	12/15/22 17:32	20
Ethylbenzene	0.0748		0.0400		mg/Kg		12/13/22 13:43	12/15/22 17:32	20
m-Xylene & p-Xylene	0.277		0.0800		mg/Kg		12/13/22 13:43	12/15/22 17:32	20
o-Xylene	0.210		0.0400		mg/Kg		12/13/22 13:43	12/15/22 17:32	20
Xylenes, Total	0.487		0.0800		mg/Kg		12/13/22 13:43	12/15/22 17:32	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*12/13/22 13:43*	*12/15/22 17:32*	*20*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/13/22 13:43*	*12/15/22 17:32*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.792		0.0800		mg/Kg			12/16/22 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1450		50.0		mg/Kg			12/15/22 10:53	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		12/13/22 11:59	12/15/22 03:57	1
Diesel Range Organics (Over C10-C28)	1300		50.0		mg/Kg		12/13/22 11:59	12/15/22 03:57	1
Oil Range Organics (Over C28-C36)	154		50.0		mg/Kg		12/13/22 11:59	12/15/22 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*12/13/22 11:59*	*12/15/22 03:57*	*1*
o-Terphenyl	*119*		*70 - 130*	*12/13/22 11:59*	*12/15/22 03:57*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (12")

Lab Sample ID: 880-22628-8
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5530		50.0		mg/Kg			12/15/22 23:43	10

Client Sample ID: S-2 (18")

Lab Sample ID: 880-22628-9
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 13:43	12/15/22 13:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/22 13:43	12/15/22 13:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/22 13:43	12/15/22 13:45	1
m-Xylene & p-Xylene	0.00620		0.00401		mg/Kg		12/13/22 13:43	12/15/22 13:45	1
o-Xylene	0.00461		0.00200		mg/Kg		12/13/22 13:43	12/15/22 13:45	1
Xylenes, Total	0.0108		0.00401		mg/Kg		12/13/22 13:43	12/15/22 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*12/13/22 13:43*	*12/15/22 13:45*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/13/22 13:43*	*12/15/22 13:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0108		0.00401		mg/Kg			12/15/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	779		50.0		mg/Kg			12/15/22 10:53	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		12/13/22 11:59	12/14/22 23:35	1
Diesel Range Organics (Over C10-C28)	680		50.0		mg/Kg		12/13/22 11:59	12/14/22 23:35	1
Oil Range Organics (Over C28-C36)	99.0		50.0		mg/Kg		12/13/22 11:59	12/14/22 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*12/13/22 11:59*	*12/14/22 23:35*	*1*
o-Terphenyl	*108*		*70 - 130*	*12/13/22 11:59*	*12/14/22 23:35*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1180		4.96		mg/Kg			12/15/22 23:50	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-22628-10
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 13:43	12/15/22 14:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/22 13:43	12/15/22 14:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/22 13:43	12/15/22 14:05	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (2')

Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Lab Sample ID: 880-22628-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/22 13:43	12/15/22 14:05	1
o-Xylene	**0.00232**		0.00199		mg/Kg		12/13/22 13:43	12/15/22 14:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/22 13:43	12/15/22 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*12/13/22 13:43*	*12/15/22 14:05*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/13/22 13:43*	*12/15/22 14:05*	*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			12/15/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**494**		50.0		mg/Kg			12/15/22 10:53	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		12/13/22 11:59	12/14/22 23:56	1
Diesel Range Organics (Over C10-C28)	**434**		50.0		mg/Kg		12/13/22 11:59	12/14/22 23:56	1
Oil Range Organics (Over C28-C36)	**60.0**		50.0		mg/Kg		12/13/22 11:59	12/14/22 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/13/22 11:59*	*12/14/22 23:56*	*1*
o-Terphenyl	*114*		*70 - 130*	*12/13/22 11:59*	*12/14/22 23:56*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**941**		4.96		mg/Kg			12/15/22 23:57	1

Client Sample ID: S-2 (3')

Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Lab Sample ID: 880-22628-11
Matrix: Solid

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		12/13/22 13:43	12/15/22 16:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/22 13:43	12/15/22 16:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/22 13:43	12/15/22 16:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/22 13:43	12/15/22 16:30	1
o-Xylene	**0.00219**		0.00200		mg/Kg		12/13/22 13:43	12/15/22 16:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/22 13:43	12/15/22 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/13/22 13:43*	*12/15/22 16:30*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*12/13/22 13:43*	*12/15/22 16:30*	*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			12/16/22 09:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (3')

Lab Sample ID: 880-22628-11
Date Collected: 12/12/22 00:00
Matrix: Solid
Date Received: 12/13/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	442		49.9		mg/Kg			12/15/22 10:53	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		12/13/22 11:59	12/15/22 00:18	1
Diesel Range Organics (Over C10-C28)	387		49.9		mg/Kg		12/13/22 11:59	12/15/22 00:18	1
Oil Range Organics (Over C28-C36)	55.1		49.9		mg/Kg		12/13/22 11:59	12/15/22 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*12/13/22 11:59*	*12/15/22 00:18*	*1*
o-Terphenyl	*107*		*70 - 130*	*12/13/22 11:59*	*12/15/22 00:18*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	771	F1	4.95		mg/Kg			12/16/22 00:04	1

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

Lab Sample ID: 880-22628-12
Date Collected: 12/12/22 00:00
Matrix: Solid
Date Received: 12/13/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.180		0.0402		mg/Kg		12/13/22 13:43	12/15/22 17:53	20
Toluene	3.76		0.0402		mg/Kg		12/13/22 13:43	12/15/22 17:53	20
Ethylbenzene	10.4		0.198		mg/Kg		12/16/22 09:12	12/16/22 13:18	100
m-Xylene & p-Xylene	17.2		0.396		mg/Kg		12/16/22 09:12	12/16/22 13:18	100
o-Xylene	8.25		0.198		mg/Kg		12/16/22 09:12	12/16/22 13:18	100
Xylenes, Total	25.5		0.396		mg/Kg		12/16/22 09:12	12/16/22 13:18	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*293*	*S1+*	*70 - 130*	*12/13/22 13:43*	*12/15/22 17:53*	*20*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*12/13/22 13:43*	*12/15/22 17:53*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	39.8		0.396		mg/Kg			12/16/22 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4250		50.0		mg/Kg			12/15/22 10:53	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	477		50.0		mg/Kg		12/13/22 11:59	12/15/22 02:52	1
Diesel Range Organics (Over C10-C28)	3350		50.0		mg/Kg		12/13/22 11:59	12/15/22 02:52	1
Oil Range Organics (Over C28-C36)	418		50.0		mg/Kg		12/13/22 11:59	12/15/22 02:52	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22628-12
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	12/13/22 11:59	12/15/22 02:52	1
o-Terphenyl	110		70 - 130	12/13/22 11:59	12/15/22 02:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.9		5.05		mg/Kg			12/16/22 00:26	1

Client Sample ID: S-3 (6")

Lab Sample ID: 880-22628-13
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.173		0.0398		mg/Kg		12/13/22 13:43	12/15/22 18:13	20
Toluene	2.77		0.0398		mg/Kg		12/13/22 13:43	12/15/22 18:13	20
Ethylbenzene	8.33		0.200		mg/Kg		12/16/22 09:12	12/16/22 13:39	100
m-Xylene & p-Xylene	13.9		0.0797		mg/Kg		12/13/22 13:43	12/15/22 18:13	20
o-Xylene	7.03		0.0398		mg/Kg		12/13/22 13:43	12/15/22 18:13	20
Xylenes, Total	20.9		0.0797		mg/Kg		12/13/22 13:43	12/15/22 18:13	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	356	S1+	70 - 130	12/13/22 13:43	12/15/22 18:13	20
1,4-Difluorobenzene (Surr)	90		70 - 130	12/13/22 13:43	12/15/22 18:13	20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	32.2		0.200		mg/Kg			12/16/22 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5950		49.9		mg/Kg			12/15/22 10:53	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	393		49.9		mg/Kg		12/13/22 11:59	12/15/22 02:30	1
Diesel Range Organics (Over C10-C28)	4920		49.9		mg/Kg		12/13/22 11:59	12/15/22 02:30	1
Oil Range Organics (Over C28-C36)	635		49.9		mg/Kg		12/13/22 11:59	12/15/22 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	12/13/22 11:59	12/15/22 02:30	1
o-Terphenyl	123		70 - 130	12/13/22 11:59	12/15/22 02:30	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.0		5.03		mg/Kg			12/16/22 00:33	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (12")

Lab Sample ID: 880-22628-14
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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		12/13/22 13:43	12/15/22 16:51	1
Toluene	**0.0237**		0.00199		mg/Kg		12/13/22 13:43	12/15/22 16:51	1
Ethylbenzene	**0.0814**		0.00199		mg/Kg		12/13/22 13:43	12/15/22 16:51	1
m-Xylene & p-Xylene	**0.145**		0.00398		mg/Kg		12/13/22 13:43	12/15/22 16:51	1
o-Xylene	**0.0825**		0.00199		mg/Kg		12/13/22 13:43	12/15/22 16:51	1
Xylenes, Total	**0.228**		0.00398		mg/Kg		12/13/22 13:43	12/15/22 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*12/13/22 13:43*	*12/15/22 16:51*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*12/13/22 13:43*	*12/15/22 16:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.333**		0.00398		mg/Kg			12/16/22 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**695**		50.0		mg/Kg			12/15/22 10:53	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		12/13/22 11:59	12/15/22 04:19	1
Diesel Range Organics (Over C10-C28)	**627**		50.0		mg/Kg		12/13/22 11:59	12/15/22 04:19	1
Oil Range Organics (Over C28-C36)	**68.4**		50.0		mg/Kg		12/13/22 11:59	12/15/22 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*12/13/22 11:59*	*12/15/22 04:19*	*1*
o-Terphenyl	*105*		*70 - 130*	*12/13/22 11:59*	*12/15/22 04:19*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		5.01		mg/Kg			12/16/22 00:55	1

Client Sample ID: S-3 (18")

Lab Sample ID: 880-22628-15
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.247**		0.0399		mg/Kg		12/13/22 13:43	12/15/22 18:34	20
Toluene	**0.161**		0.0399		mg/Kg		12/13/22 13:43	12/15/22 18:34	20
Ethylbenzene	**0.301**		0.0399		mg/Kg		12/13/22 13:43	12/15/22 18:34	20
m-Xylene & p-Xylene	**0.627**		0.0798		mg/Kg		12/13/22 13:43	12/15/22 18:34	20
o-Xylene	**0.353**		0.0399		mg/Kg		12/13/22 13:43	12/15/22 18:34	20
Xylenes, Total	**0.980**		0.0798		mg/Kg		12/13/22 13:43	12/15/22 18:34	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*12/13/22 13:43*	*12/15/22 18:34*	*20*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/13/22 13:43*	*12/15/22 18:34*	*20*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (18")

Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Lab Sample ID: 880-22628-15
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.69		0.0798		mg/Kg			12/16/22 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	988		50.0		mg/Kg			12/15/22 10:53	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		12/13/22 11:59	12/15/22 04:41	1
Diesel Range Organics (Over C10-C28)	893		50.0		mg/Kg		12/13/22 11:59	12/15/22 04:41	1
Oil Range Organics (Over C28-C36)	95.4		50.0		mg/Kg		12/13/22 11:59	12/15/22 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*12/13/22 11:59*	*12/15/22 04:41*	*1*
o-Terphenyl	*120*		*70 - 130*	*12/13/22 11:59*	*12/15/22 04:41*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.3		5.01		mg/Kg			12/16/22 01:02	1

Client Sample ID: S-3 (2')

Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Lab Sample ID: 880-22628-16
Matrix: Solid

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		12/13/22 13:43	12/15/22 17:11	1
Toluene	0.00618		0.00198		mg/Kg		12/13/22 13:43	12/15/22 17:11	1
Ethylbenzene	0.0175		0.00198		mg/Kg		12/13/22 13:43	12/15/22 17:11	1
m-Xylene & p-Xylene	0.0392		0.00397		mg/Kg		12/13/22 13:43	12/15/22 17:11	1
o-Xylene	0.0246		0.00198		mg/Kg		12/13/22 13:43	12/15/22 17:11	1
Xylenes, Total	0.0638		0.00397		mg/Kg		12/13/22 13:43	12/15/22 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*12/13/22 13:43*	*12/15/22 17:11*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/13/22 13:43*	*12/15/22 17:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0875		0.00397		mg/Kg			12/16/22 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	397		50.0		mg/Kg			12/15/22 10:53	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		12/13/22 11:59	12/15/22 00:40	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (2')

Lab Sample ID: 880-22628-16
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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)	397		50.0		mg/Kg		12/13/22 11:59	12/15/22 00:40	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/22 11:59	12/15/22 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*12/13/22 11:59*	*12/15/22 00:40*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/13/22 11:59*	*12/15/22 00:40*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.3		5.00		mg/Kg			12/16/22 01:09	1

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

Lab Sample ID: 880-22628-17
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.221		0.0398		mg/Kg		12/13/22 13:43	12/15/22 18:55	20
Toluene	2.83		0.0398		mg/Kg		12/13/22 13:43	12/15/22 18:55	20
Ethylbenzene	15.2		0.199		mg/Kg		12/16/22 09:12	12/16/22 13:59	100
m-Xylene & p-Xylene	10.8		0.0795		mg/Kg		12/13/22 13:43	12/15/22 18:55	20
o-Xylene	5.65		0.0398		mg/Kg		12/13/22 13:43	12/15/22 18:55	20
Xylenes, Total	16.5		0.0795		mg/Kg		12/13/22 13:43	12/15/22 18:55	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*350*	*S1+*	*70 - 130*	*12/13/22 13:43*	*12/15/22 18:55*	*20*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/13/22 13:43*	*12/15/22 18:55*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	34.7		0.199		mg/Kg			12/16/22 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	11700		250		mg/Kg			12/15/22 10:53	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	971		250		mg/Kg		12/13/22 11:59	12/15/22 01:24	5
Diesel Range Organics (Over C10-C28)	9410		250		mg/Kg		12/13/22 11:59	12/15/22 01:24	5
Oll Range Organics (Over C28-C36)	1300		250		mg/Kg		12/13/22 11:59	12/15/22 01:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*12/13/22 11:59*	*12/15/22 01:24*	*5*
o-Terphenyl	*168*	*S1+*	*70 - 130*	*12/13/22 11:59*	*12/15/22 01:24*	*5*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.4		5.00		mg/Kg			12/16/22 01:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (6")

Lab Sample ID: 880-22628-19
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.173		0.0398		mg/Kg		12/13/22 13:43	12/15/22 19:15	20
Toluene	11.9		0.399		mg/Kg		12/16/22 09:12	12/16/22 14:20	200
Ethylbenzene	31.6		0.399		mg/Kg		12/16/22 09:12	12/16/22 14:20	200
m-Xylene & p-Xylene	40.8		0.798		mg/Kg		12/16/22 09:12	12/16/22 14:20	200
o-Xylene	18.7		0.399		mg/Kg		12/16/22 09:12	12/16/22 14:20	200
Xylenes, Total	59.5		0.798		mg/Kg		12/16/22 09:12	12/16/22 14:20	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*685*	*S1+*	*70 - 130*	*12/13/22 13:43*	*12/15/22 19:15*	*20*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/13/22 13:43*	*12/15/22 19:15*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	103		0.798		mg/Kg			12/16/22 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7960		49.9		mg/Kg			12/15/22 10:53	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	1050		49.9		mg/Kg		12/13/22 11:59	12/15/22 01:46	1
Diesel Range Organics (Over C10-C28)	6110		49.9		mg/Kg		12/13/22 11:59	12/15/22 01:46	1
Oil Range Organics (Over C28-C36)	798		49.9		mg/Kg		12/13/22 11:59	12/15/22 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*12/13/22 11:59*	*12/15/22 01:46*	*1*
o-Terphenyl	*109*		*70 - 130*	*12/13/22 11:59*	*12/15/22 01:46*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.4		5.00		mg/Kg			12/16/22 01:24	1

Client Sample ID: S-4 (12")

Lab Sample ID: 880-22628-20
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.185		0.0401		mg/Kg		12/13/22 13:43	12/15/22 19:36	20
Toluene	2.81		0.0401		mg/Kg		12/13/22 13:43	12/15/22 19:36	20
Ethylbenzene	6.89		0.0401		mg/Kg		12/13/22 13:43	12/15/22 19:36	20
m-Xylene & p-Xylene	9.11		0.0802		mg/Kg		12/13/22 13:43	12/15/22 19:36	20
o-Xylene	4.54		0.0401		mg/Kg		12/13/22 13:43	12/15/22 19:36	20
Xylenes, Total	13.7		0.0802		mg/Kg		12/13/22 13:43	12/15/22 19:36	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*303*	*S1+*	*70 - 130*	*12/13/22 13:43*	*12/15/22 19:36*	*20*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/13/22 13:43*	*12/15/22 19:36*	*20*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (12")

Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Lab Sample ID: 880-22628-20

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	23.5		0.0802		mg/Kg			12/16/22 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2560		49.9		mg/Kg			12/15/22 10:53	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	209		49.9		mg/Kg		12/13/22 11:59	12/15/22 03:35	1
Diesel Range Organics (Over C10-C28)	2060		49.9		mg/Kg		12/13/22 11:59	12/15/22 03:35	1
Oil Range Organics (Over C28-C36)	294		49.9		mg/Kg		12/13/22 11:59	12/15/22 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*12/13/22 11:59*	*12/15/22 03:35*	*1*
o-Terphenyl	*112*		*70 - 130*	*12/13/22 11:59*	*12/15/22 03:35*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		5.00		mg/Kg			12/16/22 01:31	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
880-22626-A-1-B MS	Matrix Spike	121	111
880-22626-A-1-C MSD	Matrix Spike Duplicate	107	114
880-22628-1	S-1 (0-3")	98	98
880-22628-1 MS	S-1 (0-3")	104	91
880-22628-1 MSD	S-1 (0-3")	93	89
880-22628-2	S-1 (6")	113	104
880-22628-3	S-1 (12")	112	99
880-22628-4	S-1 (18")	113	101
880-22628-5	S-1 (2')	113	98
880-22628-6	S-2 (0-3")	349 S1+	97
880-22628-7	S-2 (6")	192 S1+	104
880-22628-8	S-2 (12")	118	104
880-22628-9	S-2 (18")	118	98
880-22628-10	S-2 (2')	114	103
880-22628-11	S-2 (3')	115	89
880-22628-12	S-3 (0-3')	293 S1+	90
880-22628-13	S-3 (6")	356 S1+	90
880-22628-14	S-3 (12")	143 S1+	86
880-22628-15	S-3 (18")	124	102
880-22628-16	S-3 (2')	112	93
880-22628-17	S-4 (0-3")	350 S1+	94
880-22628-19	S-4 (6")	685 S1+	91
880-22628-20	S-4 (12")	303 S1+	98
LCS 880-41759/1-A	Lab Control Sample	109	89
LCS 880-41760/1-A	Lab Control Sample	107	109
LCSD 880-41759/2-A	Lab Control Sample Dup	100	94
LCSD 880-41760/2-A	Lab Control Sample Dup	133 S1+	126
MB 880-41759/5-A	Method Blank	98	86
MB 880-41760/5-A	Method Blank	89	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**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-22628-1	S-1 (0-3")	109	117
880-22628-1 MS	S-1 (0-3")	91	87
880-22628-1 MSD	S-1 (0-3")	91	87
880-22628-2	S-1 (6")	101	108
880-22628-3	S-1 (12")	105	110
880-22628-4	S-1 (18")	96	101
880-22628-5	S-1 (2')	115	119
880-22628-6	S-2 (0-3")	112	111
880-22628-7	S-2 (6")	124	125
880-22628-8	S-2 (12")	113	119

Surrogate Summary

Client: Carmona Resources Job ID: 880-22628-1
Project/Site: Wild Cap State Com 004H (09.05.22) 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)								
880-22628-9	S-2 (18")	103	108								
880-22628-10	S-2 (2')	108	114								
880-22628-11	S-2 (3')	102	107								
880-22628-12	S-3 (0-3')	117	110								
880-22628-13	S-3 (6")	127	123								
880-22628-14	S-3 (12")	100	105								
880-22628-15	S-3 (18")	119	120								
880-22628-16	S-3 (2')	120	125								
880-22628-17	S-4 (0-3")	146 S1+	168 S1+								
880-22628-19	S-4 (6")	127	109								
880-22628-20	S-4 (12")	113	112								
LCS 880-41740/2-A	Lab Control Sample	93	101								
LCSD 880-41740/3-A	Lab Control Sample Dup	93	100								
MB 880-41740/1-A	Method Blank	121	132 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-41759/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41865 — **Prep Batch: 41759**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/22 13:43	12/15/22 11:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/22 13:43	12/15/22 11:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/22 13:43	12/15/22 11:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/13/22 13:43	12/15/22 11:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/22 13:43	12/15/22 11:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/13/22 13:43	12/15/22 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*12/13/22 13:43*	*12/15/22 11:39*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*12/13/22 13:43*	*12/15/22 11:39*	*1*

Lab Sample ID: LCS 880-41759/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41865 — **Prep Batch: 41759**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09697		mg/Kg		97	70 - 130
Toluene	0.100	0.09406		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09728		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2146		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1055		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-41759/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41865 — **Prep Batch: 41759**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09693		mg/Kg		97	70 - 130	0	35
Toluene	0.100	0.09197		mg/Kg		92	70 - 130	2	35
Ethylbenzene	0.100	0.09014		mg/Kg		90	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1944		mg/Kg		97	70 - 130	10	35
o-Xylene	0.100	0.09669		mg/Kg		97	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-22628-1 MS — **Client Sample ID: S-1 (0-3")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41865 — **Prep Batch: 41759**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1001		mg/Kg		100	70 - 130
Toluene	<0.00201	U	0.100	0.09686		mg/Kg		96	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22628-1 MS
Matrix: Solid
Analysis Batch: 41865

Client Sample ID: S-1 (0-3")
Prep Type: Total/NA
Prep Batch: 41759

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09299		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.201	0.2032		mg/Kg		101	70 - 130
o-Xylene	<0.00201	U	0.100	0.1002		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 880-22628-1 MSD
Matrix: Solid
Analysis Batch: 41865

Client Sample ID: S-1 (0-3")
Prep Type: Total/NA
Prep Batch: 41759

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.09146		mg/Kg		92	70 - 130	9	35
Toluene	<0.00201	U	0.0990	0.08586		mg/Kg		87	70 - 130	12	35
Ethylbenzene	<0.00201	U	0.0990	0.08216		mg/Kg		83	70 - 130	12	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1767		mg/Kg		89	70 - 130	14	35
o-Xylene	<0.00201	U	0.0990	0.08626		mg/Kg		87	70 - 130	15	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: MB 880-41760/5-A
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/22 14:20	12/16/22 10:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/13/22 14:20	12/16/22 10:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*12/13/22 14:20*	*12/16/22 10:54*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/13/22 14:20*	*12/16/22 10:54*	*1*

Lab Sample ID: LCS 880-41760/1-A
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1028		mg/Kg		103	70 - 130
Toluene	0.100	0.09358		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09654		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2017		mg/Kg		101	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-41760/1-A
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41760

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09938		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-41760/2-A
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41760

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1096		mg/Kg		110	70 - 130	6	35
Toluene			0.100	0.1076		mg/Kg		108	70 - 130	14	35
Ethylbenzene			0.100	0.1121		mg/Kg		112	70 - 130	15	35
m-Xylene & p-Xylene			0.200	0.2434		mg/Kg		122	70 - 130	19	35
o-Xylene			0.100	0.1213		mg/Kg		121	70 - 130	20	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*

Lab Sample ID: 880-22626-A-1-B MS
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 41760

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.09838		mg/Kg		98	70 - 130		
Toluene	<0.00199	U	0.100	0.09703		mg/Kg		97	70 - 130		
Ethylbenzene	<0.00199	U	0.100	0.1047		mg/Kg		104	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2249		mg/Kg		112	70 - 130		
o-Xylene	<0.00199	U	0.100	0.1105		mg/Kg		110	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-22626-A-1-C MSD
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 41760

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.09796		mg/Kg		99	70 - 130	0	35
Toluene	<0.00199	U	0.0990	0.08811		mg/Kg		89	70 - 130	10	35
Ethylbenzene	<0.00199	U	0.0990	0.09055		mg/Kg		91	70 - 130	15	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1851		mg/Kg		93	70 - 130	19	35
o-Xylene	<0.00199	U	0.0990	0.09137		mg/Kg		92	70 - 130	19	35

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22626-A-1-C MSD
Matrix: Solid
Analysis Batch: 41992

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 41760

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

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

Lab Sample ID: MB 880-41740/1-A
Matrix: Solid
Analysis Batch: 41776

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41740

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		12/13/22 11:59	12/14/22 19:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/13/22 11:59	12/14/22 19:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/13/22 11:59	12/14/22 19:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	12/13/22 11:59	12/14/22 19:38	1
o-Terphenyl	132	S1+	70 - 130	12/13/22 11:59	12/14/22 19:38	1

Lab Sample ID: LCS 880-41740/2-A
Matrix: Solid
Analysis Batch: 41776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41740

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	906.0		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	841.5		mg/Kg		84	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: LCSD 880-41740/3-A
Matrix: Solid
Analysis Batch: 41776

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 41740

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	909.1		mg/Kg		91	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	840.0		mg/Kg		84	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	100		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22628-1 MS — **Client Sample ID: S-1 (0-3")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41776 — **Prep Batch: 41740**

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	999	980.4		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1009		mg/Kg		99	70 - 130

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

Lab Sample ID: 880-22628-1 MSD — **Client Sample ID: S-1 (0-3")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 41776 — **Prep Batch: 41740**

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	997	955.6		mg/Kg		92	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1009		mg/Kg		99	70 - 130	0	20

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41745/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41940

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

Lab Sample ID: LCS 880-41745/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41940

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.5		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-41745/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41940

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.5		mg/Kg		101	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-22628-1 MS — **Client Sample ID: S-1 (0-3")**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41940

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	43.1		250	292.3		mg/Kg		100	90 - 110

Lab Sample ID: 880-22628-1 MSD — **Client Sample ID: S-1 (0-3")**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41940

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	43.1		250	294.3		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-22628-11 MS — **Client Sample ID: S-2 (3')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41940

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	771	F1	248	960.5	F1	mg/Kg		77	90 - 110

Lab Sample ID: 880-22628-11 MSD — **Client Sample ID: S-2 (3')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41940

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	771	F1	248	965.8	F1	mg/Kg		79	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 41759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22628-1	S-1 (0-3')	Total/NA	Solid	5035	
880-22628-2	S-1 (6")	Total/NA	Solid	5035	
880-22628-3	S-1 (12")	Total/NA	Solid	5035	
880-22628-4	S-1 (18")	Total/NA	Solid	5035	
880-22628-5	S-1 (2')	Total/NA	Solid	5035	
880-22628-6	S-2 (0-3")	Total/NA	Solid	5035	
880-22628-7	S-2 (6")	Total/NA	Solid	5035	
880-22628-8	S-2 (12")	Total/NA	Solid	5035	
880-22628-9	S-2 (18")	Total/NA	Solid	5035	
880-22628-10	S-2 (2')	Total/NA	Solid	5035	
880-22628-11	S-2 (3')	Total/NA	Solid	5035	
880-22628-12	S-3 (0-3')	Total/NA	Solid	5035	
880-22628-13	S-3 (6")	Total/NA	Solid	5035	
880-22628-14	S-3 (12")	Total/NA	Solid	5035	
880-22628-15	S-3 (18")	Total/NA	Solid	5035	
880-22628-16	S-3 (2')	Total/NA	Solid	5035	
880-22628-17	S-4 (0-3")	Total/NA	Solid	5035	
880-22628-19	S-4 (6")	Total/NA	Solid	5035	
880-22628-20	S-4 (12")	Total/NA	Solid	5035	
MB 880-41759/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41759/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41759/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22628-1 MS	S-1 (0-3")	Total/NA	Solid	5035	
880-22628-1 MSD	S-1 (0-3")	Total/NA	Solid	5035	

Prep Batch: 41760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22628-12	S-3 (0-3')	Total/NA	Solid	5035	
880-22628-13	S-3 (6")	Total/NA	Solid	5035	
880-22628-17	S-4 (0-3")	Total/NA	Solid	5035	
880-22628-19	S-4 (6")	Total/NA	Solid	5035	
MB 880-41760/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41760/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41760/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22626-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-22626-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 41865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22628-1	S-1 (0-3")	Total/NA	Solid	8021B	41759
880-22628-2	S-1 (6")	Total/NA	Solid	8021B	41759
880-22628-3	S-1 (12")	Total/NA	Solid	8021B	41759
880-22628-4	S-1 (18")	Total/NA	Solid	8021B	41759
880-22628-5	S-1 (2')	Total/NA	Solid	8021B	41759
880-22628-6	S-2 (0-3")	Total/NA	Solid	8021B	41759
880-22628-7	S-2 (6")	Total/NA	Solid	8021B	41759
880-22628-8	S-2 (12")	Total/NA	Solid	8021B	41759
880-22628-9	S-2 (18")	Total/NA	Solid	8021B	41759
880-22628-10	S-2 (2')	Total/NA	Solid	8021B	41759
880-22628-11	S-2 (3')	Total/NA	Solid	8021B	41759
880-22628-12	S-3 (0-3')	Total/NA	Solid	8021B	41759

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 41865 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22628-13	S-3 (6")	Total/NA	Solid	8021B	41759
880-22628-14	S-3 (12")	Total/NA	Solid	8021B	41759
880-22628-15	S-3 (18")	Total/NA	Solid	8021B	41759
880-22628-16	S-3 (2')	Total/NA	Solid	8021B	41759
880-22628-17	S-4 (0-3")	Total/NA	Solid	8021B	41759
880-22628-19	S-4 (6")	Total/NA	Solid	8021B	41759
880-22628-20	S-4 (12")	Total/NA	Solid	8021B	41759
MB 880-41759/5-A	Method Blank	Total/NA	Solid	8021B	41759
LCS 880-41759/1-A	Lab Control Sample	Total/NA	Solid	8021B	41759
LCSD 880-41759/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41759
880-22628-1 MS	S-1 (0-3")	Total/NA	Solid	8021B	41759
880-22628-1 MSD	S-1 (0-3")	Total/NA	Solid	8021B	41759

Analysis Batch: 41947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22628-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-22628-2	S-1 (6")	Total/NA	Solid	Total BTEX	
880-22628-3	S-1 (12")	Total/NA	Solid	Total BTEX	
880-22628-4	S-1 (18")	Total/NA	Solid	Total BTEX	
880-22628-5	S-1 (2')	Total/NA	Solid	Total BTEX	
880-22628-6	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-22628-7	S-2 (6")	Total/NA	Solid	Total BTEX	
880-22628-8	S-2 (12")	Total/NA	Solid	Total BTEX	
880-22628-9	S-2 (18")	Total/NA	Solid	Total BTEX	
880-22628-10	S-2 (2')	Total/NA	Solid	Total BTEX	
880-22628-11	S-2 (3')	Total/NA	Solid	Total BTEX	
880-22628-12	S-3 (0-3')	Total/NA	Solid	Total BTEX	
880-22628-13	S-3 (6")	Total/NA	Solid	Total BTEX	
880-22628-14	S-3 (12")	Total/NA	Solid	Total BTEX	
880-22628-15	S-3 (18")	Total/NA	Solid	Total BTEX	
880-22628-16	S-3 (2')	Total/NA	Solid	Total BTEX	
880-22628-17	S-4 (0-3")	Total/NA	Solid	Total BTEX	
880-22628-19	S-4 (6")	Total/NA	Solid	Total BTEX	
880-22628-20	S-4 (12")	Total/NA	Solid	Total BTEX	

Analysis Batch: 41992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22628-12	S-3 (0-3')	Total/NA	Solid	8021B	41760
880-22628-13	S-3 (6")	Total/NA	Solid	8021B	41760
880-22628-17	S-4 (0-3")	Total/NA	Solid	8021B	41760
880-22628-19	S-4 (6")	Total/NA	Solid	8021B	41760
MB 880-41760/5-A	Method Blank	Total/NA	Solid	8021B	41760
LCS 880-41760/1-A	Lab Control Sample	Total/NA	Solid	8021B	41760
LCSD 880-41760/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41760
880-22626-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	41760
880-22626-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	41760

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

GC Semi VOA

Prep Batch: 41740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22628-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-22628-2	S-1 (6")	Total/NA	Solid	8015NM Prep	
880-22628-3	S-1 (12")	Total/NA	Solid	8015NM Prep	
880-22628-4	S-1 (18")	Total/NA	Solid	8015NM Prep	
880-22628-5	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-22628-6	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-22628-7	S-2 (6")	Total/NA	Solid	8015NM Prep	
880-22628-8	S-2 (12")	Total/NA	Solid	8015NM Prep	
880-22628-9	S-2 (18")	Total/NA	Solid	8015NM Prep	
880-22628-10	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-22628-11	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-22628-12	S-3 (0-3')	Total/NA	Solid	8015NM Prep	
880-22628-13	S-3 (6")	Total/NA	Solid	8015NM Prep	
880-22628-14	S-3 (12")	Total/NA	Solid	8015NM Prep	
880-22628-15	S-3 (18")	Total/NA	Solid	8015NM Prep	
880-22628-16	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-22628-17	S-4 (0-3")	Total/NA	Solid	8015NM Prep	
880-22628-19	S-4 (6")	Total/NA	Solid	8015NM Prep	
880-22628-20	S-4 (12")	Total/NA	Solid	8015NM Prep	
MB 880-41740/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41740/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41740/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22628-1 MS	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-22628-1 MSD	S-1 (0-3")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22628-1	S-1 (0-3")	Total/NA	Solid	8015B NM	41740
880-22628-2	S-1 (6")	Total/NA	Solid	8015B NM	41740
880-22628-3	S-1 (12")	Total/NA	Solid	8015B NM	41740
880-22628-4	S-1 (18")	Total/NA	Solid	8015B NM	41740
880-22628-5	S-1 (2')	Total/NA	Solid	8015B NM	41740
880-22628-6	S-2 (0-3")	Total/NA	Solid	8015B NM	41740
880-22628-7	S-2 (6")	Total/NA	Solid	8015B NM	41740
880-22628-8	S-2 (12")	Total/NA	Solid	8015B NM	41740
880-22628-9	S-2 (18")	Total/NA	Solid	8015B NM	41740
880-22628-10	S-2 (2')	Total/NA	Solid	8015B NM	41740
880-22628-11	S-2 (3')	Total/NA	Solid	8015B NM	41740
880-22628-12	S-3 (0-3')	Total/NA	Solid	8015B NM	41740
880-22628-13	S-3 (6")	Total/NA	Solid	8015B NM	41740
880-22628-14	S-3 (12")	Total/NA	Solid	8015B NM	41740
880-22628-15	S-3 (18")	Total/NA	Solid	8015B NM	41740
880-22628-16	S-3 (2')	Total/NA	Solid	8015B NM	41740
880-22628-17	S-4 (0-3")	Total/NA	Solid	8015B NM	41740
880-22628-19	S-4 (6")	Total/NA	Solid	8015B NM	41740
880-22628-20	S-4 (12")	Total/NA	Solid	8015B NM	41740
MB 880-41740/1-A	Method Blank	Total/NA	Solid	8015B NM	41740
LCS 880-41740/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41740
LCSD 880-41740/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41740
880-22628-1 MS	S-1 (0-3")	Total/NA	Solid	8015B NM	41740
880-22628-1 MSD	S-1 (0-3")	Total/NA	Solid	8015B NM	41740

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 41905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22628-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-22628-2	S-1 (6")	Total/NA	Solid	8015 NM	
880-22628-3	S-1 (12")	Total/NA	Solid	8015 NM	
880-22628-4	S-1 (18")	Total/NA	Solid	8015 NM	
880-22628-5	S-1 (2')	Total/NA	Solid	8015 NM	
880-22628-6	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-22628-7	S-2 (6")	Total/NA	Solid	8015 NM	
880-22628-8	S-2 (12")	Total/NA	Solid	8015 NM	
880-22628-9	S-2 (18")	Total/NA	Solid	8015 NM	
880-22628-10	S-2 (2')	Total/NA	Solid	8015 NM	
880-22628-11	S-2 (3')	Total/NA	Solid	8015 NM	
880-22628-12	S-3 (0-3')	Total/NA	Solid	8015 NM	
880-22628-13	S-3 (6")	Total/NA	Solid	8015 NM	
880-22628-14	S-3 (12")	Total/NA	Solid	8015 NM	
880-22628-15	S-3 (18")	Total/NA	Solid	8015 NM	
880-22628-16	S-3 (2')	Total/NA	Solid	8015 NM	
880-22628-17	S-4 (0-3")	Total/NA	Solid	8015 NM	
880-22628-19	S-4 (6")	Total/NA	Solid	8015 NM	
880-22628-20	S-4 (12")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 41745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22628-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-22628-2	S-1 (6")	Soluble	Solid	DI Leach	
880-22628-3	S-1 (12")	Soluble	Solid	DI Leach	
880-22628-4	S-1 (18")	Soluble	Solid	DI Leach	
880-22628-5	S-1 (2')	Soluble	Solid	DI Leach	
880-22628-6	S-2 (0-3")	Soluble	Solid	DI Leach	
880-22628-7	S-2 (6")	Soluble	Solid	DI Leach	
880-22628-8	S-2 (12")	Soluble	Solid	DI Leach	
880-22628-9	S-2 (18")	Soluble	Solid	DI Leach	
880-22628-10	S-2 (2')	Soluble	Solid	DI Leach	
880-22628-11	S-2 (3')	Soluble	Solid	DI Leach	
880-22628-12	S-3 (0-3')	Soluble	Solid	DI Leach	
880-22628-13	S-3 (6")	Soluble	Solid	DI Leach	
880-22628-14	S-3 (12")	Soluble	Solid	DI Leach	
880-22628-15	S-3 (18")	Soluble	Solid	DI Leach	
880-22628-16	S-3 (2')	Soluble	Solid	DI Leach	
880-22628-17	S-4 (0-3")	Soluble	Solid	DI Leach	
880-22628-19	S-4 (6")	Soluble	Solid	DI Leach	
880-22628-20	S-4 (12")	Soluble	Solid	DI Leach	
MB 880-41745/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41745/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41745/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22628-1 MS	S-1 (0-3")	Soluble	Solid	DI Leach	
880-22628-1 MSD	S-1 (0-3")	Soluble	Solid	DI Leach	
880-22628-11 MS	S-2 (3')	Soluble	Solid	DI Leach	
880-22628-11 MSD	S-2 (3')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

HPLC/IC

Analysis Batch: 41940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22628-1	S-1 (0-3")	Soluble	Solid	300.0	41745
880-22628-2	S-1 (6")	Soluble	Solid	300.0	41745
880-22628-3	S-1 (12")	Soluble	Solid	300.0	41745
880-22628-4	S-1 (18")	Soluble	Solid	300.0	41745
880-22628-5	S-1 (2')	Soluble	Solid	300.0	41745
880-22628-6	S-2 (0-3")	Soluble	Solid	300.0	41745
880-22628-7	S-2 (6")	Soluble	Solid	300.0	41745
880-22628-8	S-2 (12")	Soluble	Solid	300.0	41745
880-22628-9	S-2 (18")	Soluble	Solid	300.0	41745
880-22628-10	S-2 (2')	Soluble	Solid	300.0	41745
880-22628-11	S-2 (3')	Soluble	Solid	300.0	41745
880-22628-12	S-3 (0-3')	Soluble	Solid	300.0	41745
880-22628-13	S-3 (6")	Soluble	Solid	300.0	41745
880-22628-14	S-3 (12")	Soluble	Solid	300.0	41745
880-22628-15	S-3 (18")	Soluble	Solid	300.0	41745
880-22628-16	S-3 (2')	Soluble	Solid	300.0	41745
880-22628-17	S-4 (0-3")	Soluble	Solid	300.0	41745
880-22628-19	S-4 (6")	Soluble	Solid	300.0	41745
880-22628-20	S-4 (12")	Soluble	Solid	300.0	41745
MB 880-41745/1-A	Method Blank	Soluble	Solid	300.0	41745
LCS 880-41745/2-A	Lab Control Sample	Soluble	Solid	300.0	41745
LCSD 880-41745/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41745
880-22628-1 MS	S-1 (0-3")	Soluble	Solid	300.0	41745
880-22628-1 MSD	S-1 (0-3")	Soluble	Solid	300.0	41745
880-22628-11 MS	S-2 (3')	Soluble	Solid	300.0	41745
880-22628-11 MSD	S-2 (3')	Soluble	Solid	300.0	41745

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22628-1
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41865	12/15/22 12:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/15/22 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/14/22 20:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41745	12/13/22 12:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/15/22 22:23	CH	EET MID

Client Sample ID: S-1 (6")

Lab Sample ID: 880-22628-2
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41865	12/15/22 12:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/15/22 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/14/22 21:48	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41745	12/13/22 12:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/15/22 22:45	CH	EET MID

Client Sample ID: S-1 (12")

Lab Sample ID: 880-22628-3
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41865	12/15/22 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/15/22 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/14/22 22:31	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41745	12/13/22 12:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/15/22 22:52	CH	EET MID

Client Sample ID: S-1 (18")

Lab Sample ID: 880-22628-4
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41865	12/15/22 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/15/22 15:59	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (18")

Lab Sample ID: 880-22628-4
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/14/22 22:52	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41745	12/13/22 12:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/15/22 22:59	CH	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-22628-5
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41865	12/15/22 13:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/15/22 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/14/22 23:13	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41745	12/13/22 12:40	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/15/22 23:07	CH	EET MID

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

Lab Sample ID: 880-22628-6
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	41865	12/15/22 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/15/22 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/15/22 02:08	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41745	12/13/22 12:40	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	41940	12/15/22 23:28	CH	EET MID

Client Sample ID: S-2 (6")

Lab Sample ID: 880-22628-7
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	41865	12/15/22 14:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/15/22 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/15/22 03:14	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (6")

Lab Sample ID: 880-22628-7
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	41745	12/13/22 12:40	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	41940	12/15/22 23:35	CH	EET MID

Client Sample ID: S-2 (12")

Lab Sample ID: 880-22628-8
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	41865	12/15/22 17:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/16/22 09:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/15/22 03:57	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41745	12/13/22 12:40	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	41940	12/15/22 23:43	CH	EET MID

Client Sample ID: S-2 (18")

Lab Sample ID: 880-22628-9
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41865	12/15/22 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/15/22 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/14/22 23:35	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41745	12/13/22 12:41	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/15/22 23:50	CH	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-22628-10
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41865	12/15/22 14:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/15/22 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/14/22 23:56	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41745	12/13/22 12:41	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/15/22 23:57	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (3')

Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Lab Sample ID: 880-22628-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41865	12/15/22 16:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/16/22 09:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/15/22 00:18	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41745	12/13/22 12:41	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/16/22 00:04	CH	EET MID

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

Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Lab Sample ID: 880-22628-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	41865	12/15/22 17:53	MNR	EET MID
Total/NA	Prep	5035			5.05 g	5 mL	41760	12/16/22 09:12	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	41992	12/16/22 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/16/22 09:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/15/22 02:52	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41745	12/13/22 12:41	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/16/22 00:26	CH	EET MID

Client Sample ID: S-3 (6")

Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Lab Sample ID: 880-22628-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	41865	12/15/22 18:13	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	41760	12/16/22 09:12	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	41992	12/16/22 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/16/22 09:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/15/22 02:30	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41745	12/13/22 12:41	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/16/22 00:33	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (12")

Lab Sample ID: 880-22628-14
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41865	12/15/22 16:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/16/22 09:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/15/22 04:19	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41745	12/13/22 12:41	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/16/22 00:55	CH	EET MID

Client Sample ID: S-3 (18")

Lab Sample ID: 880-22628-15
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	41865	12/15/22 18:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/16/22 09:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/15/22 04:41	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41745	12/13/22 12:41	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/16/22 01:02	CH	EET MID

Client Sample ID: S-3 (2')

Lab Sample ID: 880-22628-16
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41865	12/15/22 17:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/16/22 09:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/15/22 00:40	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41745	12/13/22 12:41	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/16/22 01:09	CH	EET MID

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

Lab Sample ID: 880-22628-17
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	41865	12/15/22 18:55	MNR	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22628-17
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41760	12/16/22 09:12	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	41992	12/16/22 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/16/22 09:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	41776	12/15/22 01:24	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41745	12/13/22 12:41	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/16/22 01:17	CH	EET MID

Client Sample ID: S-4 (6")

Lab Sample ID: 880-22628-19
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	41865	12/15/22 19:15	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	41760	12/16/22 09:12	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	41992	12/16/22 14:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/16/22 09:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/15/22 01:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41745	12/13/22 12:41	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/16/22 01:24	CH	EET MID

Client Sample ID: S-4 (12")

Lab Sample ID: 880-22628-20
Matrix: Solid
Date Collected: 12/12/22 00:00
Date Received: 12/13/22 10:45

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	41759	12/13/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	41865	12/15/22 19:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41947	12/16/22 09:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			41905	12/15/22 10:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41740	12/13/22 11:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41776	12/15/22 03:35	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41745	12/13/22 12:41	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41940	12/16/22 01:31	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
Job ID: 880-22628-1
Project/Site: Wild Cap State Com 004H (09.05.22)
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	OII Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
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: Wild Cap State Com 004H (09.05.22)

Job ID: 880-22628-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22628-1	S-1 (0-3")	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-2	S-1 (6")	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-3	S-1 (12")	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-4	S-1 (18")	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-5	S-1 (2')	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-6	S-2 (0-3")	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-7	S-2 (6")	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-8	S-2 (12")	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-9	S-2 (18")	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-10	S-2 (2')	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-11	S-2 (3')	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-12	S-3 (0-3')	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-13	S-3 (6")	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-14	S-3 (12")	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-15	S-3 (18")	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-16	S-3 (2')	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-17	S-4 (0-3")	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-19	S-4 (6")	Solid	12/12/22 00:00	12/13/22 10:45
880-22628-20	S-4 (12")	Solid	12/12/22 00:00	12/13/22 10:45

Page 102 of 159

12/16/2022

Work Order No: 22628

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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables. EDD ☐ ADaPT ☐ Other:

Project Name.	Wild Cap State Com 004H (09 05 22)	Turn Around	
Project Number	1202	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date	48 Hrs
Sampler's Name	MM		
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice.	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR2
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	-.3
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	4.3
Total Containers		Corrected Temperature	4.0

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
S-1 (0-3")	12/12/2022		X		G	1		X	X	X
S-1 (6")	12/12/2022		X		G	1		X	X	X
S-1 (12")	12/12/2022		X		G	1		X	X	X
S-1 (18")	12/12/2022		X		G	1		X	X	X
S-1 (2')	12/12/2022		X		G	1		X	X	X
S-2 (0-3")	12/12/2022		X		G	1		X	X	X
S-2 (6")	12/12/2022		X		G	1		X	X	X
S-2 (12")	12/12/2022		X		G	1		X	X	X
S-2 (18")	12/12/2022		X		G	1		X	X	X
S-2 (2')	12/12/2022		X		G	1		X	X	X

Preservative Codes

None NO | DI Water H_2O

Cool Cool | MeOH Me

HCL HC | HNO_3 HN

H_2S0_4. H_2 | NaOH Na

H_3PO_4 HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

402

880-22628 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
	12/13/22 1045		

Received by OCD: 3/2/2023 9:32:18 AM

Released to Imaging: 5/2/2023 1:05:05 PM

Page 103 of 159

12/16/2022

Work Order No: 22628

Page 2 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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables. EDD ☐ ADaPT ☐ Other:

Project Name	Wild Cap State Com 004H (09 05 22)	Turn Around	
Project Number	1202	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date	48 Hrs
Sampler's Name	MM		
PO #:			

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

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2SO_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
S-2 (3')	12/12/2022		X		G	1		X	X	X
S-3 (0-3")	12/12/2022		X		G	1		X	X	X
S-3 (6")	12/12/2022		X		G	1		X	X	X
S-3 (12")	12/12/2022		X		G	1		X	X	X
S-3 (18")	12/12/2022		X		G	1		X	X	X
S-3 (2')	12/12/2022		X		G	1		X	X	X
S-4 (0-3")	12/12/2022		X		G	1		X	X	X
S-4 (6")	12/12/2022		X		G	1		X	X	X
S-4 (12")	12/12/2022		X		G	1		X	X	X

Sample Comments

Loc: 880
22628

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	12/13/22 1045		

Page 45 of 46

Received by OCD: 3/2/2023 9:32:18 AM

Released to Imaging: 5/2/2023 1:05:05 PM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22628-1
SDG Number: Eddy County, New Mexico

Login Number: 22628
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/7/2023 10:34:09 AM

JOB DESCRIPTION

Wild Cap State Com 004H (05.05.22)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-24307-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 3/2/2023 1:05:05 PM

my EOL

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
2/7/2023 10:34:09 AM

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

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Laboratory Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 24
QC Sample Results 26
QC Association Summary 34
Lab Chronicle 40
Certification Summary 48
Method Summary 49
Sample Summary 50
Chain of Custody 51
Receipt Checklists 54

Definitions/Glossary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
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
F2	MS/MSD RPD exceeds control limits
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: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Job ID: 880-24307-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-24307-1

Receipt
The samples were received on 2/3/2023 4:13 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (2.5') (880-24307-1), CS-2 (2.5') (880-24307-2), CS-3 (2.5') (880-24307-3), CS-4 (1.5') (880-24307-4), CS-5 (3.5') (880-24307-5), CS-6 (3.5') (880-24307-6), CS-7 (3.5') (880-24307-7), SW-1 (2.5') (880-24307-8), SW-2 (2.5') (880-24307-9), SW-3 (2.5') (880-24307-10), SW-4 (2.5') (880-24307-11), SW-5 (2.5') (880-24307-12), SW-6 (2.5') (880-24307-13), SW-7 (2.5') (880-24307-14), SW-8 (1.0') (880-24307-15), SW-9 (3.5') (880-24307-16), SW-10 (1.5') (880-24307-17), SW-11 (1.5') (880-24307-18), SW-12 (1.5') (880-24307-19), SW-13 (1.5') (880-24307-20), SW-14 (2.0') (880-24307-21), SW-15 (3.5') (880-24307-22), SW-16 (3.5') (880-24307-23) and SW-17 (3.5') (880-24307-24).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-2 (2.5') (880-24307-2), SW-2 (2.5') (880-24307-9), SW-4 (2.5') (880-24307-11), SW-6 (2.5') (880-24307-13) and SW-13 (1.5') (880-24307-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-45568 and analytical batch 880-45544 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: Surrogate recovery for the following sample was outside control limits: SW-17 (3.5') (880-24307-24). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-45531 and analytical batch 880-45545 was outside control limits. Sample non-homogeneity is suspected.

Method 8021B: m-Xylene & p-Xylene biased high in LCSD. Since only an acceptable LCS is required per the method, the data has been qualified and reported.(LCSD 880-45531/2-A)

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 matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-45548 and analytical batch 880-45535 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-45549 and analytical batch 880-45537 was outside control limits. Sample non-homogeneity is suspected.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (2.5')

Lab Sample ID: 880-24307-1
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 11:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/05/23 11:12	02/06/23 11:28	1
Ethylbenzene	<0.00201	U F2	0.00201		mg/Kg		02/05/23 11:12	02/06/23 11:28	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		02/05/23 11:12	02/06/23 11:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/05/23 11:12	02/06/23 11:28	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/05/23 11:12	02/06/23 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/05/23 11:12*	*02/06/23 11:28*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*02/05/23 11:12*	*02/06/23 11:28*	*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			02/06/23 15:03	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			02/07/23 11:04	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 F2	49.9		mg/Kg		02/06/23 08:18	02/06/23 11:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 11:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*02/06/23 08:18*	*02/06/23 11:25*	*1*
o-Terphenyl	*116*		*70 - 130*	*02/06/23 08:18*	*02/06/23 11:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.2**		5.00		mg/Kg			02/05/23 11:39	1

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-24307-2
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 11:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/05/23 11:12	02/06/23 11:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/05/23 11:12	02/06/23 11:48	1
m-Xylene & p-Xylene	<0.00404	U *+	0.00404		mg/Kg		02/05/23 11:12	02/06/23 11:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/05/23 11:12	02/06/23 11:48	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		02/05/23 11:12	02/06/23 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*02/05/23 11:12*	*02/06/23 11:48*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*02/05/23 11:12*	*02/06/23 11:48*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-24307-2
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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			02/06/23 15:03	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 12:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 12:31	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*02/06/23 08:18*	*02/06/23 12:31*	*1*
o-Terphenyl	*98*		*70 - 130*	*02/06/23 08:18*	*02/06/23 12:31*	*1*

Method: EPA 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			02/05/23 11:43	1

Client Sample ID: CS-3 (2.5')

Lab Sample ID: 880-24307-3
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 12:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 12:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 12:09	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 12:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 12:09	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*02/05/23 11:12*	*02/06/23 12:09*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*02/05/23 11:12*	*02/06/23 12:09*	*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			02/06/23 15:03	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 12:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 12:53	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (2.5')

Lab Sample ID: 880-24307-3
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*02/06/23 08:18*	*02/06/23 12:53*	*1*
o-Terphenyl	*115*		*70 - 130*	*02/06/23 08:18*	*02/06/23 12:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			02/05/23 11:48	1

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-24307-4
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 12:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 12:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 12:29	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 12:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 12:29	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/05/23 11:12*	*02/06/23 12:29*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/05/23 11:12*	*02/06/23 12:29*	*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			02/06/23 15:03	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 13:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/06/23 08:18	02/06/23 13:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/23 08:18	02/06/23 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*02/06/23 08:18*	*02/06/23 13:14*	*1*
o-Terphenyl	*121*		*70 - 130*	*02/06/23 08:18*	*02/06/23 13:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**248**		4.99		mg/Kg			02/05/23 11:53	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (3.5')

Lab Sample ID: 880-24307-5
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 12:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 12:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 12:50	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/05/23 11:12	02/06/23 12:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 12:50	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/05/23 11:12	02/06/23 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*02/05/23 11:12*	*02/06/23 12:50*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*02/05/23 11:12*	*02/06/23 12:50*	*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			02/06/23 15:03	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 13:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/06/23 08:18	02/06/23 13:35	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/23 08:18	02/06/23 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*02/06/23 08:18*	*02/06/23 13:35*	*1*
o-Terphenyl	*105*		*70 - 130*	*02/06/23 08:18*	*02/06/23 13:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**139**		5.01		mg/Kg			02/05/23 12:07	1

Client Sample ID: CS-6 (3.5')

Lab Sample ID: 880-24307-6
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 13:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/05/23 11:12	02/06/23 13:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/05/23 11:12	02/06/23 13:10	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		02/05/23 11:12	02/06/23 13:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/05/23 11:12	02/06/23 13:10	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		02/05/23 11:12	02/06/23 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*02/05/23 11:12*	*02/06/23 13:10*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*02/05/23 11:12*	*02/06/23 13:10*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (3.5')

Lab Sample ID: 880-24307-6
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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			02/06/23 15:03	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 13:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 13:57	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*02/06/23 08:18*	*02/06/23 13:57*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/06/23 08:18*	*02/06/23 13:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**468**		5.00		mg/Kg			02/05/23 12:11	1

Client Sample ID: CS-7 (3.5')

Lab Sample ID: 880-24307-7
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 13:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 13:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 13:31	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 13:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 13:31	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*02/05/23 11:12*	*02/06/23 13:31*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*02/05/23 11:12*	*02/06/23 13:31*	*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			02/06/23 15:03	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 14:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 14:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (3.5')

Lab Sample ID: 880-24307-7
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*02/06/23 08:18*	*02/06/23 14:19*	*1*
o-Terphenyl	*118*		*70 - 130*	*02/06/23 08:18*	*02/06/23 14:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**459**		5.02		mg/Kg			02/05/23 12:16	1

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-24307-8
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 13:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 13:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 13:51	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 13:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 13:51	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/05/23 11:12*	*02/06/23 13:51*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/05/23 11:12*	*02/06/23 13:51*	*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			02/06/23 15:03	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 14:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/06/23 08:18	02/06/23 14:40	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/23 08:18	02/06/23 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*02/06/23 08:18*	*02/06/23 14:40*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/06/23 08:18*	*02/06/23 14:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.9**		5.01		mg/Kg			02/05/23 12:20	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-2 (2.5')

Lab Sample ID: 880-24307-9
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 14:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 14:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 14:12	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		02/05/23 11:12	02/06/23 14:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 14:12	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/05/23 11:12	02/06/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*02/05/23 11:12*	*02/06/23 14:12*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*02/05/23 11:12*	*02/06/23 14:12*	*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			02/06/23 15:03	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 15:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 15:03	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*02/06/23 08:18*	*02/06/23 15:03*	*1*
o-Terphenyl	*111*		*70 - 130*	*02/06/23 08:18*	*02/06/23 15:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		5.00		mg/Kg			02/05/23 12:25	1

Client Sample ID: SW-3 (2.5')

Lab Sample ID: 880-24307-10
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 14:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/05/23 11:12	02/06/23 14:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/05/23 11:12	02/06/23 14:32	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		02/05/23 11:12	02/06/23 14:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/05/23 11:12	02/06/23 14:32	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		02/05/23 11:12	02/06/23 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/05/23 11:12*	*02/06/23 14:32*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/05/23 11:12*	*02/06/23 14:32*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (2.5')

Lab Sample ID: 880-24307-10
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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			02/06/23 15:03	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 15:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 15:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*02/06/23 08:18*	*02/06/23 15:26*	*1*
o-Terphenyl	*94*		*70 - 130*	*02/06/23 08:18*	*02/06/23 15:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.37**		5.00		mg/Kg			02/05/23 12:30	1

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-24307-11
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 15:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/05/23 11:12	02/06/23 15:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/05/23 11:12	02/06/23 15:56	1
m-Xylene & p-Xylene	<0.00403	U *+	0.00403		mg/Kg		02/05/23 11:12	02/06/23 15:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/05/23 11:12	02/06/23 15:56	1
Xylenes, Total	<0.00403	U *+	0.00403		mg/Kg		02/05/23 11:12	02/06/23 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*02/05/23 11:12*	*02/06/23 15:56*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/05/23 11:12*	*02/06/23 15:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/06/23 17:09	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 16:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 16:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-24307-11
Date Collected: 02/03/23 00:00
Matrix: Solid
Date Received: 02/03/23 16:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*02/06/23 08:18*	*02/06/23 16:14*	*1*
o-Terphenyl	*98*		*70 - 130*	*02/06/23 08:18*	*02/06/23 16:14*	*1*

Method: EPA 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			02/05/23 12:44	1

Client Sample ID: SW-5 (2.5')

Lab Sample ID: 880-24307-12
Date Collected: 02/03/23 00:00
Matrix: Solid
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 16:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 16:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 16:16	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 16:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 16:16	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/05/23 11:12*	*02/06/23 16:16*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*02/05/23 11:12*	*02/06/23 16:16*	*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			02/06/23 17:09	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 16:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 16:36	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/06/23 08:18*	*02/06/23 16:36*	*1*
o-Terphenyl	*96*		*70 - 130*	*02/06/23 08:18*	*02/06/23 16:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.5**		5.00		mg/Kg			02/05/23 12:48	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-6 (2.5')

Lab Sample ID: 880-24307-13
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 16:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 16:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 16:37	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/05/23 11:12	02/06/23 16:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 16:37	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/05/23 11:12	02/06/23 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*02/05/23 11:12*	*02/06/23 16:37*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/05/23 11:12*	*02/06/23 16:37*	*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			02/07/23 10:09	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 16:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 16:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*02/06/23 08:18*	*02/06/23 16:58*	*1*
o-Terphenyl	*94*		*70 - 130*	*02/06/23 08:18*	*02/06/23 16:58*	*1*

Method: EPA 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			02/05/23 13:02	1

Client Sample ID: SW-7 (2.5')

Lab Sample ID: 880-24307-14
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 16:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/05/23 11:12	02/06/23 16:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/05/23 11:12	02/06/23 16:57	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		02/05/23 11:12	02/06/23 16:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/05/23 11:12	02/06/23 16:57	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/05/23 11:12	02/06/23 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*02/05/23 11:12*	*02/06/23 16:57*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*02/05/23 11:12*	*02/06/23 16:57*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (2.5')

Lab Sample ID: 880-24307-14
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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			02/07/23 10:09	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 17:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 17:20	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*02/06/23 08:18*	*02/06/23 17:20*	*1*
o-Terphenyl	*99*		*70 - 130*	*02/06/23 08:18*	*02/06/23 17:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.0**		4.95		mg/Kg			02/05/23 13:07	1

Client Sample ID: SW-8 (1.0')

Lab Sample ID: 880-24307-15
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 17:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 17:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 17:18	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		02/05/23 11:12	02/06/23 17:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 17:18	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/05/23 11:12	02/06/23 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/05/23 11:12*	*02/06/23 17:18*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/05/23 11:12*	*02/06/23 17:18*	*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			02/07/23 10:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/23 11:04	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		02/06/23 08:18	02/06/23 17:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/06/23 08:18	02/06/23 17:42	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-8 (1.0')

Lab Sample ID: 880-24307-15
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/23 08:18	02/06/23 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*02/06/23 08:18*	*02/06/23 17:42*	*1*
o-Terphenyl	*116*		*70 - 130*	*02/06/23 08:18*	*02/06/23 17:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**225**		5.00		mg/Kg			02/05/23 13:12	1

Client Sample ID: SW-9 (3.5')

Lab Sample ID: 880-24307-16
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 17:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 17:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 17:38	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 17:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 17:38	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*02/05/23 11:12*	*02/06/23 17:38*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/05/23 11:12*	*02/06/23 17:38*	*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			02/07/23 10:09	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 18:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/06/23 08:18	02/06/23 18:04	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/23 08:18	02/06/23 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/06/23 08:18*	*02/06/23 18:04*	*1*
o-Terphenyl	*99*		*70 - 130*	*02/06/23 08:18*	*02/06/23 18:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**147**		4.99		mg/Kg			02/05/23 13:16	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-24307-17
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 17:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 17:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 17:59	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 17:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 17:59	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*02/05/23 11:12*	*02/06/23 17:59*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*02/05/23 11:12*	*02/06/23 17:59*	*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			02/07/23 10:09	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 18:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 18:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*02/06/23 08:18*	*02/06/23 18:26*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/06/23 08:18*	*02/06/23 18:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.73**		5.01		mg/Kg			02/05/23 13:21	1

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-24307-18
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 18:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 18:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 18:19	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		02/05/23 11:12	02/06/23 18:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 18:19	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/05/23 11:12	02/06/23 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*02/05/23 11:12*	*02/06/23 18:19*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*02/05/23 11:12*	*02/06/23 18:19*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-24307-18
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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			02/07/23 10:09	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 18:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/06/23 08:18	02/06/23 18:49	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/23 08:18	02/06/23 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/06/23 08:18*	*02/06/23 18:49*	*1*
o-Terphenyl	*91*		*70 - 130*	*02/06/23 08:18*	*02/06/23 18:49*	*1*

Method: EPA 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			02/05/23 13:26	1

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-24307-19
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 18:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 18:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 18:40	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/05/23 11:12	02/06/23 18:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 18:40	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/05/23 11:12	02/06/23 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/05/23 11:12*	*02/06/23 18:40*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*02/05/23 11:12*	*02/06/23 18:40*	*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			02/07/23 10:09	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 19:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 19:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-24307-19
Date Collected: 02/03/23 00:00
Matrix: Solid
Date Received: 02/03/23 16:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*02/06/23 08:18*	*02/06/23 19:10*	*1*
o-Terphenyl	*101*		*70 - 130*	*02/06/23 08:18*	*02/06/23 19:10*	*1*

Method: EPA 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			02/05/23 13:30	1

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-24307-20
Date Collected: 02/03/23 00:00
Matrix: Solid
Date Received: 02/03/23 16:13

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		02/05/23 11:12	02/06/23 19:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 19:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 19:00	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 19:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/05/23 11:12	02/06/23 19:00	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/05/23 11:12	02/06/23 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*56*	*S1-*	*70 - 130*	*02/05/23 11:12*	*02/06/23 19:00*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/05/23 11:12*	*02/06/23 19:00*	*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			02/07/23 10:09	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			02/07/23 11:04	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		02/06/23 08:18	02/06/23 19:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 19:32	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/06/23 08:18*	*02/06/23 19:32*	*1*
o-Terphenyl	*94*		*70 - 130*	*02/06/23 08:18*	*02/06/23 19:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			02/05/23 14:11	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-14 (2.0')

Lab Sample ID: 880-24307-21
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/06/23 10:43	02/06/23 23:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/06/23 10:43	02/06/23 23:27	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		02/06/23 10:43	02/06/23 23:27	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		02/06/23 10:43	02/06/23 23:27	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		02/06/23 10:43	02/06/23 23:27	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		02/06/23 10:43	02/06/23 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/06/23 10:43*	*02/06/23 23:27*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/06/23 10:43*	*02/06/23 23:27*	*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			02/07/23 09:48	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			02/07/23 10:52	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	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 03:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 03:11	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*02/06/23 08:09*	*02/07/23 03:11*	*1*
o-Terphenyl	*94*		*70 - 130*	*02/06/23 08:09*	*02/07/23 03:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			02/05/23 14:17	1

Client Sample ID: SW-15 (3.5')

Lab Sample ID: 880-24307-22
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/06/23 10:43	02/06/23 23:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/06/23 10:43	02/06/23 23:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/06/23 10:43	02/06/23 23:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/06/23 10:43	02/06/23 23:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/06/23 10:43	02/06/23 23:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/06/23 10:43	02/06/23 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*02/06/23 10:43*	*02/06/23 23:48*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/06/23 10:43*	*02/06/23 23:48*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-15 (3.5')

Lab Sample ID: 880-24307-22
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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			02/07/23 09:48	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			02/07/23 10:52	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		02/06/23 08:09	02/07/23 03:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/07/23 03:32	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/07/23 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*02/06/23 08:09*	*02/07/23 03:32*	*1*
o-Terphenyl	*105*		*70 - 130*	*02/06/23 08:09*	*02/07/23 03:32*	*1*

Method: EPA 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			02/05/23 14:23	1

Client Sample ID: SW-16 (3.5')

Lab Sample ID: 880-24307-23
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/06/23 10:43	02/07/23 00:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:43	02/07/23 00:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:43	02/07/23 00:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/06/23 10:43	02/07/23 00:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:43	02/07/23 00:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/23 10:43	02/07/23 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/06/23 10:43*	*02/07/23 00:08*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*02/06/23 10:43*	*02/07/23 00:08*	*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			02/07/23 09:48	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			02/07/23 10:52	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	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 03:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 03:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-16 (3.5')

Lab Sample ID: 880-24307-23
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/23 08:09	02/07/23 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/06/23 08:09*	*02/07/23 03:54*	*1*
o-Terphenyl	*104*		*70 - 130*	*02/06/23 08:09*	*02/07/23 03:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			02/05/23 14:30	1

Client Sample ID: SW-17 (3.5')

Lab Sample ID: 880-24307-24
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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		02/06/23 10:43	02/07/23 00:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:43	02/07/23 00:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:43	02/07/23 00:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/06/23 10:43	02/07/23 00:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/23 10:43	02/07/23 00:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/23 10:43	02/07/23 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*02/06/23 10:43*	*02/07/23 00:29*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/06/23 10:43*	*02/07/23 00:29*	*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			02/07/23 09:48	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			02/07/23 10:52	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		02/06/23 08:09	02/07/23 04:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/07/23 04:15	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/07/23 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*02/06/23 08:09*	*02/07/23 04:15*	*1*
o-Terphenyl	*104*		*70 - 130*	*02/06/23 08:09*	*02/07/23 04:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/05/23 14:36	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
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)
880-24307-1	CS-1 (2.5')	105	80
880-24307-1 MS	CS-1 (2.5')	108	94
880-24307-1 MSD	CS-1 (2.5')	94	105
880-24307-2	CS-2 (2.5')	68 S1-	80
880-24307-3	CS-3 (2.5')	118	74
880-24307-4	CS-4 (1.5')	110	87
880-24307-5	CS-5 (3.5')	84	88
880-24307-6	CS-6 (3.5')	80	72
880-24307-7	CS-7 (3.5')	85	89
880-24307-8	SW-1 (2.5')	112	86
880-24307-9	SW-2 (2.5')	68 S1-	82
880-24307-10	SW-3 (2.5')	96	79
880-24307-11	SW-4 (2.5')	68 S1-	93
880-24307-12	SW-5 (2.5')	106	82
880-24307-13	SW-6 (2.5')	66 S1-	92
880-24307-14	SW-7 (2.5')	77	83
880-24307-15	SW-8 (1.0')	117	84
880-24307-16	SW-9 (3.5')	116	81
880-24307-17	SW-10 (1.5')	75	85
880-24307-18	SW-11 (1.5')	79	74
880-24307-19	SW-12 (1.5')	106	78
880-24307-20	SW-13 (1.5')	56 S1-	95
880-24307-21	SW-14 (2.0')	112	99
880-24307-21 MS	SW-14 (2.0')	103	98
880-24307-21 MSD	SW-14 (2.0')	99	106
880-24307-22	SW-15 (3.5')	128	109
880-24307-23	SW-16 (3.5')	111	75
880-24307-24	SW-17 (3.5')	140 S1+	101
LCS 880-45531/1-A	Lab Control Sample	110	108
LCS 880-45568/1-A	Lab Control Sample	104	86
LCSD 880-45531/2-A	Lab Control Sample Dup	124	111
LCSD 880-45568/2-A	Lab Control Sample Dup	98	96
MB 880-45531/5-A	Method Blank	78	91
MB 880-45533/5-A	Method Blank	90	88
MB 880-45568/5-A	Method Blank	87	90

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)
880-24267-A-21-D MS	Matrix Spike	99	94
880-24267-A-21-E MSD	Matrix Spike Duplicate	129	105
880-24307-1	CS-1 (2.5')	99	116
880-24307-1 MS	CS-1 (2.5')	115	119

Surrogate Summary

Client: Carmona Resources Job ID: 880-24307-1
Project/Site: Wild Cap State Com 004H (05.05.22) 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)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-24307-1 MSD	CS-1 (2.5')	100	108								
880-24307-2	CS-2 (2.5')	85	98								
880-24307-3	CS-3 (2.5')	104	115								
880-24307-4	CS-4 (1.5')	111	121								
880-24307-5	CS-5 (3.5')	91	105								
880-24307-6	CS-6 (3.5')	92	106								
880-24307-7	CS-7 (3.5')	105	118								
880-24307-8	SW-1 (2.5')	92	106								
880-24307-9	SW-2 (2.5')	101	111								
880-24307-10	SW-3 (2.5')	83	94								
880-24307-11	SW-4 (2.5')	88	98								
880-24307-12	SW-5 (2.5')	86	96								
880-24307-13	SW-6 (2.5')	85	94								
880-24307-14	SW-7 (2.5')	87	99								
880-24307-15	SW-8 (1.0')	103	116								
880-24307-16	SW-9 (3.5')	86	99								
880-24307-17	SW-10 (1.5')	96	106								
880-24307-18	SW-11 (1.5')	82	91								
880-24307-19	SW-12 (1.5')	88	101								
880-24307-20	SW-13 (1.5')	82	94								
880-24307-21	SW-14 (2.0')	91	94								
880-24307-22	SW-15 (3.5')	106	105								
880-24307-23	SW-16 (3.5')	108	104								
880-24307-24	SW-17 (3.5')	106	104								
LCS 880-45548/2-A	Lab Control Sample	99	94								
LCS 880-45549/2-A	Lab Control Sample	104	116								
LCSD 880-45548/3-A	Lab Control Sample Dup	90	91								
LCSD 880-45549/3-A	Lab Control Sample Dup	100	110								
MB 880-45548/1-A	Method Blank	106	108								
MB 880-45549/1-A	Method Blank	106	126								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45531/5-A
Matrix: Solid
Analysis Batch: 45545

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 11:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 11:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 11:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/05/23 11:12	02/06/23 11:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:12	02/06/23 11:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/05/23 11:12	02/06/23 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*02/05/23 11:12*	*02/06/23 11:06*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/05/23 11:12*	*02/06/23 11:06*	*1*

Lab Sample ID: LCS 880-45531/1-A
Matrix: Solid
Analysis Batch: 45545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45531

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09559		mg/Kg		96	70 - 130		
Toluene			0.100	0.09274		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.09596		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.2062		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.1025		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-45531/2-A
Matrix: Solid
Analysis Batch: 45545

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45531

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1168		mg/Kg		117	70 - 130	20	35
Toluene			0.100	0.1103		mg/Kg		110	70 - 130	17	35
Ethylbenzene			0.100	0.1210		mg/Kg		121	70 - 130	23	35
m-Xylene & p-Xylene			0.200	0.2624	*+	mg/Kg		131	70 - 130	24	35
o-Xylene			0.100	0.1296		mg/Kg		130	70 - 130	23	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-24307-1 MS
Matrix: Solid
Analysis Batch: 45545

Client Sample ID: CS-1 (2.5')
Prep Type: Total/NA
Prep Batch: 45531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.09433		mg/Kg		94	70 - 130		
Toluene	<0.00201	U	0.100	0.09958		mg/Kg		99	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-24307-1 MS
Matrix: Solid
Analysis Batch: 45545

Client Sample ID: CS-1 (2.5')
Prep Type: Total/NA
Prep Batch: 45531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F2	0.100	0.1233		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	<0.00402	U *+	0.200	0.2282		mg/Kg		114	70 - 130
o-Xylene	<0.00201	U	0.100	0.1073		mg/Kg		107	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-24307-1 MSD
Matrix: Solid
Analysis Batch: 45545

Client Sample ID: CS-1 (2.5')
Prep Type: Total/NA
Prep Batch: 45531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.09490		mg/Kg		96	70 - 130	1	35
Toluene	<0.00201	U	0.0990	0.08572		mg/Kg		87	70 - 130	15	35
Ethylbenzene	<0.00201	U F2	0.0990	0.08469	F2	mg/Kg		86	70 - 130	37	35
m-Xylene & p-Xylene	<0.00402	U *+	0.198	0.1709		mg/Kg		86	70 - 130	29	35
o-Xylene	<0.00201	U	0.0990	0.08304		mg/Kg		84	70 - 130	25	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-45533/5-A
Matrix: Solid
Analysis Batch: 45544

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45533

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:26	02/06/23 10:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:26	02/06/23 10:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:26	02/06/23 10:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/05/23 11:26	02/06/23 10:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/05/23 11:26	02/06/23 10:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/05/23 11:26	02/06/23 10:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*02/05/23 11:26*	*02/06/23 10:51*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*02/05/23 11:26*	*02/06/23 10:51*	*1*

Lab Sample ID: MB 880-45568/5-A
Matrix: Solid
Analysis Batch: 45544

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45568

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:43	02/06/23 23:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:43	02/06/23 23:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:43	02/06/23 23:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/06/23 10:43	02/06/23 23:05	1

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-45568/5-A
Matrix: Solid
Analysis Batch: 45544

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45568

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/23 10:43	02/06/23 23:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/06/23 10:43	02/06/23 23:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*02/06/23 10:43*	*02/06/23 23:05*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*02/06/23 10:43*	*02/06/23 23:05*	*1*

Lab Sample ID: LCS 880-45568/1-A
Matrix: Solid
Analysis Batch: 45544

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45568

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08514		mg/Kg		85	70 - 130		
Toluene			0.100	0.09052		mg/Kg		91	70 - 130		
Ethylbenzene			0.100	0.09109		mg/Kg		91	70 - 130		
m-Xylene & p-Xylene			0.200	0.1666		mg/Kg		83	70 - 130		
o-Xylene			0.100	0.08673		mg/Kg		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: LCSD 880-45568/2-A
Matrix: Solid
Analysis Batch: 45544

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45568

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09738		mg/Kg		97	70 - 130	13	35
Toluene			0.100	0.09286		mg/Kg		93	70 - 130	3	35
Ethylbenzene			0.100	0.08411		mg/Kg		84	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.1574		mg/Kg		79	70 - 130	6	35
o-Xylene			0.100	0.08291		mg/Kg		83	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-24307-21 MS
Matrix: Solid
Analysis Batch: 45544

Client Sample ID: SW-14 (2.0')
Prep Type: Total/NA
Prep Batch: 45568

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.09749		mg/Kg		97	70 - 130		
Toluene	<0.00201	U	0.100	0.07986		mg/Kg		80	70 - 130		
Ethylbenzene	<0.00201	U F1	0.100	0.07155		mg/Kg		71	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1297	F1	mg/Kg		65	70 - 130		
o-Xylene	<0.00201	U F1	0.100	0.07330		mg/Kg		73	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-24307-21 MS
Matrix: Solid
Analysis Batch: 45544

Client Sample ID: SW-14 (2.0')
Prep Type: Total/NA
Prep Batch: 45568

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-24307-21 MSD
Matrix: Solid
Analysis Batch: 45544

Client Sample ID: SW-14 (2.0')
Prep Type: Total/NA
Prep Batch: 45568

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.08093		mg/Kg		81	70 - 130	19	35
Toluene	<0.00201	U	0.0990	0.07039		mg/Kg		71	70 - 130	13	35
Ethylbenzene	<0.00201	U F1	0.0990	0.06309	F1	mg/Kg		64	70 - 130	13	35
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.1154	F1	mg/Kg		58	70 - 130	12	35
o-Xylene	<0.00201	U F1	0.0990	0.06428	F1	mg/Kg		65	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

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

Lab Sample ID: MB 880-45548/1-A
Matrix: Solid
Analysis Batch: 45535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45548

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/06/23 20:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/06/23 20:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:09	02/06/23 20:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	02/06/23 08:09	02/06/23 20:16	1
o-Terphenyl	108		70 - 130	02/06/23 08:09	02/06/23 20:16	1

Lab Sample ID: LCS 880-45548/2-A
Matrix: Solid
Analysis Batch: 45535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45548

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	999	812.4		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	999	890.5		mg/Kg		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	94		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-45548/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45535 — **Prep Batch: 45548**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			999	799.3		mg/Kg		80	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			999	864.2		mg/Kg		87	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: 880-24267-A-21-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45535 — **Prep Batch: 45548**

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 F2	996	935.5		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	88.5		996	852.4		mg/Kg		77	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: 880-24267-A-21-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45535 — **Prep Batch: 45548**

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 F2	997	741.8	F2	mg/Kg		74	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	88.5		997	945.8		mg/Kg		86	70 - 130	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*129*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: MB 880-45549/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45537 — **Prep Batch: 45549**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 08:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 08:50	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/23 08:18	02/06/23 08:50	1

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-45549/1-A
Matrix: Solid
Analysis Batch: 45537

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45549

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	02/06/23 08:18	02/06/23 08:50	1
o-Terphenyl	126		70 - 130	02/06/23 08:18	02/06/23 08:50	1

Lab Sample ID: LCS 880-45549/2-A
Matrix: Solid
Analysis Batch: 45537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45549

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			999	1026		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)			999	1025		mg/Kg		103	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: LCSD 880-45549/3-A
Matrix: Solid
Analysis Batch: 45537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45549

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			999	1051		mg/Kg		105	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			999	1050		mg/Kg		105	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: 880-24307-1 MS
Matrix: Solid
Analysis Batch: 45537

Client Sample ID: CS-1 (2.5')
Prep Type: Total/NA
Prep Batch: 45549

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 F2	999	1146		mg/Kg		113	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1115		mg/Kg		108	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	119		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-24307-1 MSD — **Client Sample ID: CS-1 (2.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 45537 — **Prep Batch: 45549**

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 F2	998	880.5	F2	mg/Kg		87	70 - 130	26	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1042		mg/Kg		101	70 - 130	7	20

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45417/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 45534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/05/23 11:11	1

Lab Sample ID: LCS 880-45417/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 45534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.7		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-45417/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 45534

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	265.0		mg/Kg		106	90 - 110	5	20

Lab Sample ID: 880-24307-10 MS — **Client Sample ID: SW-3 (2.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 45534

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.37		250	265.1		mg/Kg		104	90 - 110

Lab Sample ID: 880-24307-10 MSD — **Client Sample ID: SW-3 (2.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 45534

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5.37		250	264.7		mg/Kg		104	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-45408/1-A
Matrix: Solid
Analysis Batch: 45553

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/05/23 11:31	1

Lab Sample ID: LCS 880-45408/2-A
Matrix: Solid
Analysis Batch: 45553

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	253.2		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-45408/3-A
Matrix: Solid
Analysis Batch: 45553

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	252.7		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-4003-A-11-B MS
Matrix: Solid
Analysis Batch: 45553

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	207		249	459.7		mg/Kg		101	90 - 110		

Lab Sample ID: 890-4003-A-11-C MSD
Matrix: Solid
Analysis Batch: 45553

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	207		249	460.7		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 45531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-1	CS-1 (2.5')	Total/NA	Solid	5035	
880-24307-2	CS-2 (2.5')	Total/NA	Solid	5035	
880-24307-3	CS-3 (2.5')	Total/NA	Solid	5035	
880-24307-4	CS-4 (1.5')	Total/NA	Solid	5035	
880-24307-5	CS-5 (3.5')	Total/NA	Solid	5035	
880-24307-6	CS-6 (3.5')	Total/NA	Solid	5035	
880-24307-7	CS-7 (3.5')	Total/NA	Solid	5035	
880-24307-8	SW-1 (2.5')	Total/NA	Solid	5035	
880-24307-9	SW-2 (2.5')	Total/NA	Solid	5035	
880-24307-10	SW-3 (2.5')	Total/NA	Solid	5035	
880-24307-11	SW-4 (2.5')	Total/NA	Solid	5035	
880-24307-12	SW-5 (2.5')	Total/NA	Solid	5035	
880-24307-13	SW-6 (2.5')	Total/NA	Solid	5035	
880-24307-14	SW-7 (2.5')	Total/NA	Solid	5035	
880-24307-15	SW-8 (1.0')	Total/NA	Solid	5035	
880-24307-16	SW-9 (3.5')	Total/NA	Solid	5035	
880-24307-17	SW-10 (1.5')	Total/NA	Solid	5035	
880-24307-18	SW-11 (1.5')	Total/NA	Solid	5035	
880-24307-19	SW-12 (1.5')	Total/NA	Solid	5035	
880-24307-20	SW-13 (1.5')	Total/NA	Solid	5035	
MB 880-45531/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45531/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45531/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24307-1 MS	CS-1 (2.5')	Total/NA	Solid	5035	
880-24307-1 MSD	CS-1 (2.5')	Total/NA	Solid	5035	

Prep Batch: 45533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45533/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 45544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-21	SW-14 (2.0')	Total/NA	Solid	8021B	45568
880-24307-22	SW-15 (3.5')	Total/NA	Solid	8021B	45568
880-24307-23	SW-16 (3.5')	Total/NA	Solid	8021B	45568
880-24307-24	SW-17 (3.5')	Total/NA	Solid	8021B	45568
MB 880-45533/5-A	Method Blank	Total/NA	Solid	8021B	45533
MB 880-45568/5-A	Method Blank	Total/NA	Solid	8021B	45568
LCS 880-45568/1-A	Lab Control Sample	Total/NA	Solid	8021B	45568
LCSD 880-45568/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45568
880-24307-21 MS	SW-14 (2.0')	Total/NA	Solid	8021B	45568
880-24307-21 MSD	SW-14 (2.0')	Total/NA	Solid	8021B	45568

Analysis Batch: 45545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-1	CS-1 (2.5')	Total/NA	Solid	8021B	45531
880-24307-2	CS-2 (2.5')	Total/NA	Solid	8021B	45531
880-24307-3	CS-3 (2.5')	Total/NA	Solid	8021B	45531
880-24307-4	CS-4 (1.5')	Total/NA	Solid	8021B	45531
880-24307-5	CS-5 (3.5')	Total/NA	Solid	8021B	45531
880-24307-6	CS-6 (3.5')	Total/NA	Solid	8021B	45531

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 45545 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-7	CS-7 (3.5')	Total/NA	Solid	8021B	45531
880-24307-8	SW-1 (2.5')	Total/NA	Solid	8021B	45531
880-24307-9	SW-2 (2.5')	Total/NA	Solid	8021B	45531
880-24307-10	SW-3 (2.5')	Total/NA	Solid	8021B	45531
880-24307-11	SW-4 (2.5')	Total/NA	Solid	8021B	45531
880-24307-12	SW-5 (2.5')	Total/NA	Solid	8021B	45531
880-24307-13	SW-6 (2.5')	Total/NA	Solid	8021B	45531
880-24307-14	SW-7 (2.5')	Total/NA	Solid	8021B	45531
880-24307-15	SW-8 (1.0')	Total/NA	Solid	8021B	45531
880-24307-16	SW-9 (3.5')	Total/NA	Solid	8021B	45531
880-24307-17	SW-10 (1.5')	Total/NA	Solid	8021B	45531
880-24307-18	SW-11 (1.5')	Total/NA	Solid	8021B	45531
880-24307-19	SW-12 (1.5')	Total/NA	Solid	8021B	45531
880-24307-20	SW-13 (1.5')	Total/NA	Solid	8021B	45531
MB 880-45531/5-A	Method Blank	Total/NA	Solid	8021B	45531
LCS 880-45531/1-A	Lab Control Sample	Total/NA	Solid	8021B	45531
LCSD 880-45531/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45531
880-24307-1 MS	CS-1 (2.5')	Total/NA	Solid	8021B	45531
880-24307-1 MSD	CS-1 (2.5')	Total/NA	Solid	8021B	45531

Prep Batch: 45568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-21	SW-14 (2.0')	Total/NA	Solid	5035	
880-24307-22	SW-15 (3.5')	Total/NA	Solid	5035	
880-24307-23	SW-16 (3.5')	Total/NA	Solid	5035	
880-24307-24	SW-17 (3.5')	Total/NA	Solid	5035	
MB 880-45568/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45568/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45568/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24307-21 MS	SW-14 (2.0')	Total/NA	Solid	5035	
880-24307-21 MSD	SW-14 (2.0')	Total/NA	Solid	5035	

Analysis Batch: 45632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-1	CS-1 (2.5')	Total/NA	Solid	Total BTEX	
880-24307-2	CS-2 (2.5')	Total/NA	Solid	Total BTEX	
880-24307-3	CS-3 (2.5')	Total/NA	Solid	Total BTEX	
880-24307-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-24307-5	CS-5 (3.5')	Total/NA	Solid	Total BTEX	
880-24307-6	CS-6 (3.5')	Total/NA	Solid	Total BTEX	
880-24307-7	CS-7 (3.5')	Total/NA	Solid	Total BTEX	
880-24307-8	SW-1 (2.5')	Total/NA	Solid	Total BTEX	
880-24307-9	SW-2 (2.5')	Total/NA	Solid	Total BTEX	
880-24307-10	SW-3 (2.5')	Total/NA	Solid	Total BTEX	
880-24307-11	SW-4 (2.5')	Total/NA	Solid	Total BTEX	
880-24307-12	SW-5 (2.5')	Total/NA	Solid	Total BTEX	
880-24307-13	SW-6 (2.5')	Total/NA	Solid	Total BTEX	
880-24307-14	SW-7 (2.5')	Total/NA	Solid	Total BTEX	
880-24307-15	SW-8 (1.0')	Total/NA	Solid	Total BTEX	
880-24307-16	SW-9 (3.5')	Total/NA	Solid	Total BTEX	
880-24307-17	SW-10 (1.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 45632 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-18	SW-11 (1.5')	Total/NA	Solid	Total BTEX	
880-24307-19	SW-12 (1.5')	Total/NA	Solid	Total BTEX	
880-24307-20	SW-13 (1.5')	Total/NA	Solid	Total BTEX	
880-24307-21	SW-14 (2.0')	Total/NA	Solid	Total BTEX	
880-24307-22	SW-15 (3.5')	Total/NA	Solid	Total BTEX	
880-24307-23	SW-16 (3.5')	Total/NA	Solid	Total BTEX	
880-24307-24	SW-17 (3.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 45535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-21	SW-14 (2.0')	Total/NA	Solid	8015B NM	45548
880-24307-22	SW-15 (3.5')	Total/NA	Solid	8015B NM	45548
880-24307-23	SW-16 (3.5')	Total/NA	Solid	8015B NM	45548
880-24307-24	SW-17 (3.5')	Total/NA	Solid	8015B NM	45548
MB 880-45548/1-A	Method Blank	Total/NA	Solid	8015B NM	45548
LCS 880-45548/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45548
LCSD 880-45548/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45548
880-24267-A-21-D MS	Matrix Spike	Total/NA	Solid	8015B NM	45548
880-24267-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	45548

Analysis Batch: 45537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-1	CS-1 (2.5')	Total/NA	Solid	8015B NM	45549
880-24307-2	CS-2 (2.5')	Total/NA	Solid	8015B NM	45549
880-24307-3	CS-3 (2.5')	Total/NA	Solid	8015B NM	45549
880-24307-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	45549
880-24307-5	CS-5 (3.5')	Total/NA	Solid	8015B NM	45549
880-24307-6	CS-6 (3.5')	Total/NA	Solid	8015B NM	45549
880-24307-7	CS-7 (3.5')	Total/NA	Solid	8015B NM	45549
880-24307-8	SW-1 (2.5')	Total/NA	Solid	8015B NM	45549
880-24307-9	SW-2 (2.5')	Total/NA	Solid	8015B NM	45549
880-24307-10	SW-3 (2.5')	Total/NA	Solid	8015B NM	45549
880-24307-11	SW-4 (2.5')	Total/NA	Solid	8015B NM	45549
880-24307-12	SW-5 (2.5')	Total/NA	Solid	8015B NM	45549
880-24307-13	SW-6 (2.5')	Total/NA	Solid	8015B NM	45549
880-24307-14	SW-7 (2.5')	Total/NA	Solid	8015B NM	45549
880-24307-15	SW-8 (1.0')	Total/NA	Solid	8015B NM	45549
880-24307-16	SW-9 (3.5')	Total/NA	Solid	8015B NM	45549
880-24307-17	SW-10 (1.5')	Total/NA	Solid	8015B NM	45549
880-24307-18	SW-11 (1.5')	Total/NA	Solid	8015B NM	45549
880-24307-19	SW-12 (1.5')	Total/NA	Solid	8015B NM	45549
880-24307-20	SW-13 (1.5')	Total/NA	Solid	8015B NM	45549
MB 880-45549/1-A	Method Blank	Total/NA	Solid	8015B NM	45549
LCS 880-45549/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45549
LCSD 880-45549/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45549
880-24307-1 MS	CS-1 (2.5')	Total/NA	Solid	8015B NM	45549
880-24307-1 MSD	CS-1 (2.5')	Total/NA	Solid	8015B NM	45549

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

GC Semi VOA

Prep Batch: 45548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-21	SW-14 (2.0')	Total/NA	Solid	8015NM Prep	
880-24307-22	SW-15 (3.5')	Total/NA	Solid	8015NM Prep	
880-24307-23	SW-16 (3.5')	Total/NA	Solid	8015NM Prep	
880-24307-24	SW-17 (3.5')	Total/NA	Solid	8015NM Prep	
MB 880-45548/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45548/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45548/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24267-A-21-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-24267-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 45549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-1	CS-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-24307-2	CS-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-24307-3	CS-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-24307-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-24307-5	CS-5 (3.5')	Total/NA	Solid	8015NM Prep	
880-24307-6	CS-6 (3.5')	Total/NA	Solid	8015NM Prep	
880-24307-7	CS-7 (3.5')	Total/NA	Solid	8015NM Prep	
880-24307-8	SW-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-24307-9	SW-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-24307-10	SW-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-24307-11	SW-4 (2.5')	Total/NA	Solid	8015NM Prep	
880-24307-12	SW-5 (2.5')	Total/NA	Solid	8015NM Prep	
880-24307-13	SW-6 (2.5')	Total/NA	Solid	8015NM Prep	
880-24307-14	SW-7 (2.5')	Total/NA	Solid	8015NM Prep	
880-24307-15	SW-8 (1.0')	Total/NA	Solid	8015NM Prep	
880-24307-16	SW-9 (3.5')	Total/NA	Solid	8015NM Prep	
880-24307-17	SW-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-24307-18	SW-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-24307-19	SW-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-24307-20	SW-13 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-45549/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45549/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45549/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-24307-1 MS	CS-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-24307-1 MSD	CS-1 (2.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-1	CS-1 (2.5')	Total/NA	Solid	8015 NM	
880-24307-2	CS-2 (2.5')	Total/NA	Solid	8015 NM	
880-24307-3	CS-3 (2.5')	Total/NA	Solid	8015 NM	
880-24307-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-24307-5	CS-5 (3.5')	Total/NA	Solid	8015 NM	
880-24307-6	CS-6 (3.5')	Total/NA	Solid	8015 NM	
880-24307-7	CS-7 (3.5')	Total/NA	Solid	8015 NM	
880-24307-8	SW-1 (2.5')	Total/NA	Solid	8015 NM	
880-24307-9	SW-2 (2.5')	Total/NA	Solid	8015 NM	
880-24307-10	SW-3 (2.5')	Total/NA	Solid	8015 NM	
880-24307-11	SW-4 (2.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 45678 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-12	SW-5 (2.5')	Total/NA	Solid	8015 NM	
880-24307-13	SW-6 (2.5')	Total/NA	Solid	8015 NM	
880-24307-14	SW-7 (2.5')	Total/NA	Solid	8015 NM	
880-24307-15	SW-8 (1.0')	Total/NA	Solid	8015 NM	
880-24307-16	SW-9 (3.5')	Total/NA	Solid	8015 NM	
880-24307-17	SW-10 (1.5')	Total/NA	Solid	8015 NM	
880-24307-18	SW-11 (1.5')	Total/NA	Solid	8015 NM	
880-24307-19	SW-12 (1.5')	Total/NA	Solid	8015 NM	
880-24307-20	SW-13 (1.5')	Total/NA	Solid	8015 NM	
880-24307-21	SW-14 (2.0')	Total/NA	Solid	8015 NM	
880-24307-22	SW-15 (3.5')	Total/NA	Solid	8015 NM	
880-24307-23	SW-16 (3.5')	Total/NA	Solid	8015 NM	
880-24307-24	SW-17 (3.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 45408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-20	SW-13 (1.5')	Soluble	Solid	DI Leach	
880-24307-21	SW-14 (2.0')	Soluble	Solid	DI Leach	
880-24307-22	SW-15 (3.5')	Soluble	Solid	DI Leach	
880-24307-23	SW-16 (3.5')	Soluble	Solid	DI Leach	
880-24307-24	SW-17 (3.5')	Soluble	Solid	DI Leach	
MB 880-45408/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45408/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45408/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4003-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4003-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 45417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-1	CS-1 (2.5')	Soluble	Solid	DI Leach	
880-24307-2	CS-2 (2.5')	Soluble	Solid	DI Leach	
880-24307-3	CS-3 (2.5')	Soluble	Solid	DI Leach	
880-24307-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-24307-5	CS-5 (3.5')	Soluble	Solid	DI Leach	
880-24307-6	CS-6 (3.5')	Soluble	Solid	DI Leach	
880-24307-7	CS-7 (3.5')	Soluble	Solid	DI Leach	
880-24307-8	SW-1 (2.5')	Soluble	Solid	DI Leach	
880-24307-9	SW-2 (2.5')	Soluble	Solid	DI Leach	
880-24307-10	SW-3 (2.5')	Soluble	Solid	DI Leach	
880-24307-11	SW-4 (2.5')	Soluble	Solid	DI Leach	
880-24307-12	SW-5 (2.5')	Soluble	Solid	DI Leach	
880-24307-13	SW-6 (2.5')	Soluble	Solid	DI Leach	
880-24307-14	SW-7 (2.5')	Soluble	Solid	DI Leach	
880-24307-15	SW-8 (1.0')	Soluble	Solid	DI Leach	
880-24307-16	SW-9 (3.5')	Soluble	Solid	DI Leach	
880-24307-17	SW-10 (1.5')	Soluble	Solid	DI Leach	
880-24307-18	SW-11 (1.5')	Soluble	Solid	DI Leach	
880-24307-19	SW-12 (1.5')	Soluble	Solid	DI Leach	
MB 880-45417/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 45417 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-45417/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45417/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24307-10 MS	SW-3 (2.5')	Soluble	Solid	DI Leach	
880-24307-10 MSD	SW-3 (2.5')	Soluble	Solid	DI Leach	

Analysis Batch: 45534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-1	CS-1 (2.5')	Soluble	Solid	300.0	45417
880-24307-2	CS-2 (2.5')	Soluble	Solid	300.0	45417
880-24307-3	CS-3 (2.5')	Soluble	Solid	300.0	45417
880-24307-4	CS-4 (1.5')	Soluble	Solid	300.0	45417
880-24307-5	CS-5 (3.5')	Soluble	Solid	300.0	45417
880-24307-6	CS-6 (3.5')	Soluble	Solid	300.0	45417
880-24307-7	CS-7 (3.5')	Soluble	Solid	300.0	45417
880-24307-8	SW-1 (2.5')	Soluble	Solid	300.0	45417
880-24307-9	SW-2 (2.5')	Soluble	Solid	300.0	45417
880-24307-10	SW-3 (2.5')	Soluble	Solid	300.0	45417
880-24307-11	SW-4 (2.5')	Soluble	Solid	300.0	45417
880-24307-12	SW-5 (2.5')	Soluble	Solid	300.0	45417
880-24307-13	SW-6 (2.5')	Soluble	Solid	300.0	45417
880-24307-14	SW-7 (2.5')	Soluble	Solid	300.0	45417
880-24307-15	SW-8 (1.0')	Soluble	Solid	300.0	45417
880-24307-16	SW-9 (3.5')	Soluble	Solid	300.0	45417
880-24307-17	SW-10 (1.5')	Soluble	Solid	300.0	45417
880-24307-18	SW-11 (1.5')	Soluble	Solid	300.0	45417
880-24307-19	SW-12 (1.5')	Soluble	Solid	300.0	45417
MB 880-45417/1-A	Method Blank	Soluble	Solid	300.0	45417
LCS 880-45417/2-A	Lab Control Sample	Soluble	Solid	300.0	45417
LCSD 880-45417/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45417
880-24307-10 MS	SW-3 (2.5')	Soluble	Solid	300.0	45417
880-24307-10 MSD	SW-3 (2.5')	Soluble	Solid	300.0	45417

Analysis Batch: 45553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24307-20	SW-13 (1.5')	Soluble	Solid	300.0	45408
880-24307-21	SW-14 (2.0')	Soluble	Solid	300.0	45408
880-24307-22	SW-15 (3.5')	Soluble	Solid	300.0	45408
880-24307-23	SW-16 (3.5')	Soluble	Solid	300.0	45408
880-24307-24	SW-17 (3.5')	Soluble	Solid	300.0	45408
MB 880-45408/1-A	Method Blank	Soluble	Solid	300.0	45408
LCS 880-45408/2-A	Lab Control Sample	Soluble	Solid	300.0	45408
LCSD 880-45408/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45408
890-4003-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	45408
890-4003-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	45408

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (2.5')

Lab Sample ID: 880-24307-1
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 11:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/06/23 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 11:25	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 11:39	CH	EET MID

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-24307-2
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 11:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/06/23 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 12:31	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 11:43	CH	EET MID

Client Sample ID: CS-3 (2.5')

Lab Sample ID: 880-24307-3
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 12:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/06/23 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 12:53	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 11:48	CH	EET MID

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-24307-4
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/06/23 15:03	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-24307-4
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 13:14	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 11:53	CH	EET MID

Client Sample ID: CS-5 (3.5')

Lab Sample ID: 880-24307-5
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/06/23 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 13:35	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 12:07	CH	EET MID

Client Sample ID: CS-6 (3.5')

Lab Sample ID: 880-24307-6
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/06/23 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 13:57	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 12:11	CH	EET MID

Client Sample ID: CS-7 (3.5')

Lab Sample ID: 880-24307-7
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/06/23 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 14:19	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (3.5')

Lab Sample ID: 880-24307-7
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 12:16	CH	EET MID

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-24307-8
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/06/23 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 14:40	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 12:20	CH	EET MID

Client Sample ID: SW-2 (2.5')

Lab Sample ID: 880-24307-9
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/06/23 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 12:25	CH	EET MID

Client Sample ID: SW-3 (2.5')

Lab Sample ID: 880-24307-10
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/06/23 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 15:26	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 12:30	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-24307-11
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 15:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/06/23 17:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 16:14	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 12:44	CH	EET MID

Client Sample ID: SW-5 (2.5')

Lab Sample ID: 880-24307-12
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 16:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/06/23 17:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 16:36	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 12:48	CH	EET MID

Client Sample ID: SW-6 (2.5')

Lab Sample ID: 880-24307-13
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 16:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 16:58	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 13:02	CH	EET MID

Client Sample ID: SW-7 (2.5')

Lab Sample ID: 880-24307-14
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 16:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/07/23 10:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (2.5')

Lab Sample ID: 880-24307-14
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 17:20	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 13:07	CH	EET MID

Client Sample ID: SW-8 (1.0')

Lab Sample ID: 880-24307-15
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 17:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 17:42	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 13:12	CH	EET MID

Client Sample ID: SW-9 (3.5')

Lab Sample ID: 880-24307-16
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 18:04	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 13:16	CH	EET MID

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-24307-17
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 17:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 18:26	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-10 (1.5')

Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

Lab Sample ID: 880-24307-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 13:21	CH	EET MID

Client Sample ID: SW-11 (1.5')

Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

Lab Sample ID: 880-24307-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 18:49	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 13:26	CH	EET MID

Client Sample ID: SW-12 (1.5')

Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

Lab Sample ID: 880-24307-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 19:10	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	45417	02/03/23 16:34	KS	EET MID
Soluble	Analysis	300.0		1			45534	02/05/23 13:30	CH	EET MID

Client Sample ID: SW-13 (1.5')

Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

Lab Sample ID: 880-24307-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45531	02/05/23 11:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45545	02/06/23 19:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/07/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45549	02/06/23 08:18	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45537	02/06/23 19:32	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45408	02/03/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			45553	02/05/23 14:11	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-14 (2.0')

Lab Sample ID: 880-24307-21
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45568	02/06/23 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45544	02/06/23 23:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/07/23 09:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	45548	02/06/23 08:09	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45535	02/07/23 03:11	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	45408	02/03/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			45553	02/05/23 14:17	CH	EET MID

Client Sample ID: SW-15 (3.5')

Lab Sample ID: 880-24307-22
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45568	02/06/23 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45544	02/06/23 23:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/07/23 09:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45548	02/06/23 08:09	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45535	02/07/23 03:32	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45408	02/03/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			45553	02/05/23 14:23	CH	EET MID

Client Sample ID: SW-16 (3.5')

Lab Sample ID: 880-24307-23
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45568	02/06/23 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45544	02/07/23 00:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/07/23 09:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			45678	02/07/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	45548	02/06/23 08:09	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45535	02/07/23 03:54	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45408	02/03/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			45553	02/05/23 14:30	CH	EET MID

Client Sample ID: SW-17 (3.5')

Lab Sample ID: 880-24307-24
Matrix: Solid
Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

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	45568	02/06/23 10:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45544	02/07/23 00:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45632	02/07/23 09:48	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-17 (3.5')

Date Collected: 02/03/23 00:00
Date Received: 02/03/23 16:13

Lab Sample ID: 880-24307-24

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			45678	02/07/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45548	02/06/23 08:09	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45535	02/07/23 04:15	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45408	02/03/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			45553	02/05/23 14:36	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
Job ID: 880-24307-1
Project/Site: Wild Cap State Com 004H (05.05.22)
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	OII Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
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	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 004H (05.05.22)

Job ID: 880-24307-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24307-1	CS-1 (2.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-2	CS-2 (2.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-3	CS-3 (2.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-4	CS-4 (1.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-5	CS-5 (3.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-6	CS-6 (3.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-7	CS-7 (3.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-8	SW-1 (2.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-9	SW-2 (2.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-10	SW-3 (2.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-11	SW-4 (2.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-12	SW-5 (2.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-13	SW-6 (2.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-14	SW-7 (2.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-15	SW-8 (1.0')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-16	SW-9 (3.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-17	SW-10 (1.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-18	SW-11 (1.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-19	SW-12 (1.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-20	SW-13 (1.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-21	SW-14 (2.0')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-22	SW-15 (3.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-23	SW-16 (3.5')	Solid	02/03/23 00:00	02/03/23 16:13
880-24307-24	SW-17 (3.5')	Solid	02/03/23 00:00	02/03/23 16:13

Page 155 of 159

Work Order No: 24307

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 ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Wild Cap State Com 004H (09 05 22)	Turn Around	
Project Number	1202	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date	24 Hrs
Sampler's Name	MM		
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	-3.0
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	0.5
Total Containers.		Corrected Temperature	0.2

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
CS-1 (2 5')	2/3/2023		X		C	1		X	X	X
CS-2 (2 5')	2/3/2023		X		C	1		X	X	X
CS-3 (2 5')	2/3/2023		X		C	1		X	X	X
CS-4 (1 5')	2/3/2023		X		C	1		X	X	X
CS-5 (3 5')	2/3/2023		X		C	1		X	X	X
CS-6 (3 5')	2/3/2023		X		C	1		X	X	X
CS-7 (3 5')	2/3/2023		X		C	1		X	X	X
SW-1 (2 5')	2/3/2023		X		C	1		X	X	X
SW-2 (2 5')	2/3/2023		X		C	1		X	X	X
SW-3 (2 5')	2/3/2023		X		C	1		X	X	X

Sample Comments

880-24307 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
	2/3/23 1613		

Received by OCD: 3/2/2023 9:32:18 AM

Released to Imaging: 5/2/2023 1:05:05 PM

Page 156 of 159

Work Order No: 24307

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

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Wild Cap State Com 004H (09 05 22)	Turn Around	
Project Number	1202	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date	24 Hrs
Sampler's Name	MM		
PO #			

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

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
SW-4 (2 5')	2/3/2023		X		C	1		X	X	X	
SW-5 (2 5')	2/3/2023		X		C	1		X	X	X	
SW-6 (2 5')	2/3/2023		X		C	1		X	X	X	
SW-7 (2 5')	2/3/2023		X		C	1		X	X	X	
SW-8 (1 0')	2/3/2023		X		C	1		X	X	X	
SW-9 (3 5')	2/3/2023		X		C	1		X	X	X	
SW-10 (1 5')	2/3/2023		X		C	1		X	X	X	
SW-11 (1 5')	2/3/2023		X		C	1		X	X	X	
SW-12 (1 5')	2/3/2023		X		C	1		X	X	X	
SW-13 (1 5')	2/3/2023		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
	2/3/23 1613		

Received by OCD: 3/2/2023 9:32:18 AM

Released to Imaging: 5/2/2023 1:05:05 PM

Page 157 of 159

2/7/2023

Work Order No: 24307

Page 3 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 ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Wild Cap State Com 004H (09 05 22)	Turn Around	
Project Number	1202	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date	24 Hrs
Sampler's Name	MM		
PO #:			

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

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
SW-14 (2 0')	2/3/2023		X		C	1		X	X	X
SW-15 (3 5')	2/3/2023		X		C	1		X	X	X
SW-16 (3 5')	2/3/2023		X		C	1		X	X	X
SW-17 (3 5')	2/3/2023		X		C	1		X	X	X

Parameters

Loc: 880
24307

Preservative Codes

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

Sample Comments

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Conner Moehring	2/3/23 1603		

Page 53 of 54

Received by OCD: 3/2/2023 9:32:18 AM

Released to Imaging: 5/2/2023 1:05:05 PM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-24307-1
SDG Number: Eddy County, New Mexico

Login Number: 24307
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 192339

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 192339
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	5/2/2023