CARMONA RESOURCES

SITE INFORMATION

Closure Report
Wild Cap State Com 006H (07.06.22)
Eddy County, New Mexico
Incident ID: NAPP2220232207
Unit M Sec 36 T19S R31E
32.61109°, -103.83018°

Crude Oil Release
Point of Release: Flare Oil Spill Caused by Gas Regulator Malfunction
Release Date: 07.06.2022
Volume Released: 2.397 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 415
Midland, Texas 79701

CARMONA RESOURCES

TABLE OF CONTENTS

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

CARMONA RESOURCES

October 3, 2022

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

Re: Closure Report
Wild Cap State Com 006H (07.06.22)
Concho Operating, LLC
Site Location: Unit M, S36, T19S, R31E
(Lat 32.61109º, Long -103.83018º)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document the initial site assessment and remediation activities for the Wild Cap State Com 006H (07.06.22). The site is located at 32.611003, -103.830133 within Unit M, 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 July 6, 2022, caused by a gas malfunction causing oil to blow out the flare line. It released approximately (two point three hundred ninety-seven) 2.397 barrels of crude oil, and (zero) 0 barrels were recovered. See Figure 3 for the impacted area. 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 source is within a 0.50-mile radius of the location. The nearest identified well is approximately 0.64 miles Northeast 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

Initial Assessment

On July 28, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1, S-2, and S-3) and four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 4.5 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015

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

CARMONA RESOURCES

modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are includedin Appendix E. The sample locations are shown in Figure 3.

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 September 21, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 was excavated to a depth of 1.5'-3.0' below the surface, and the area of S-2 was excavated to a depth of 1.5' below the surface to remove all the impacted soils. A total of twenty (20) floor confirmation samples were collected (CS-1 through CS-20), and seven (7) sidewall samples (SW-1 through SW-7) 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 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 320 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 contact us at 432-813-1992.

Sincerely,
Carmona Resources, LLC

Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

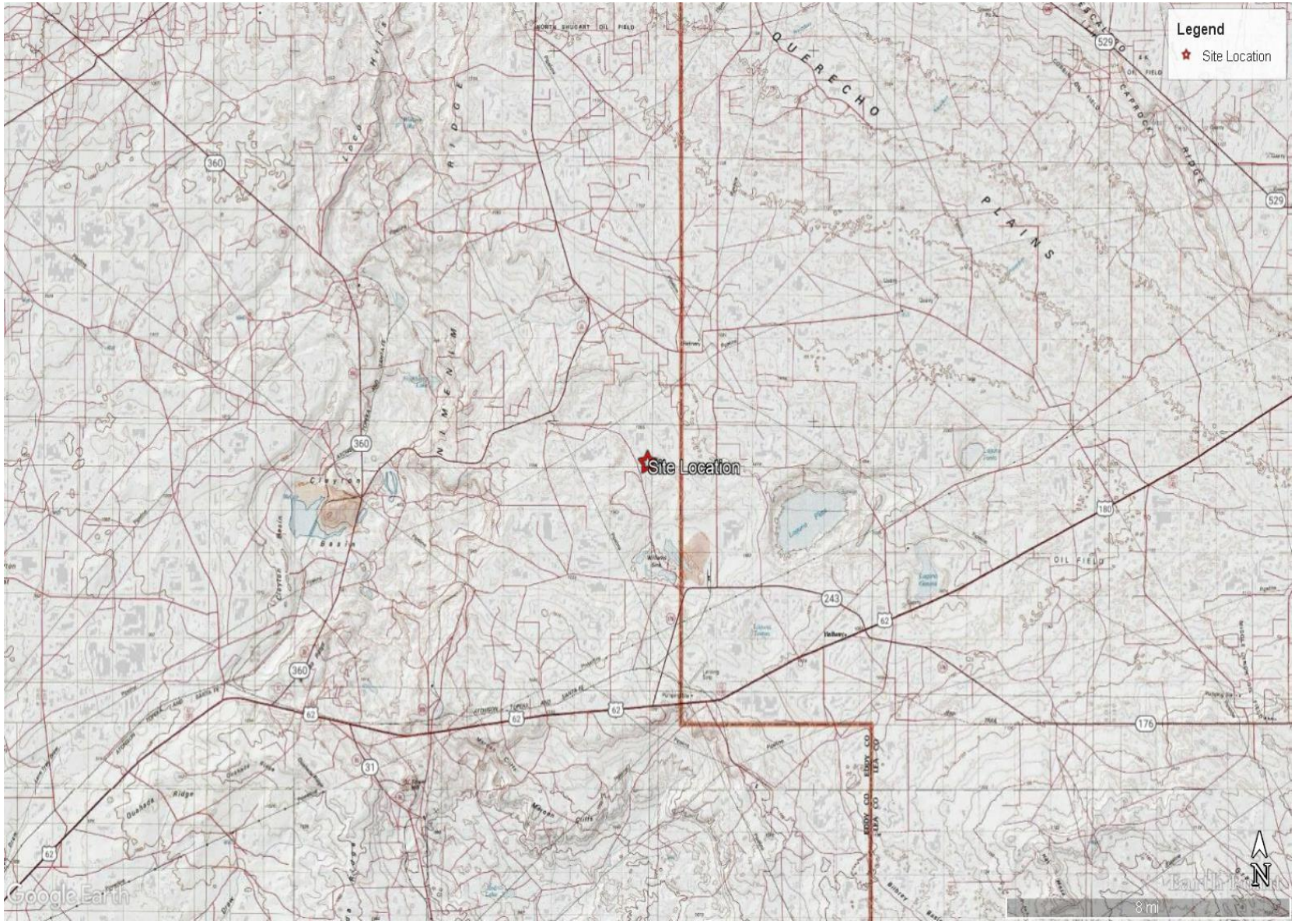
310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

FIGURES

CARMONA RESOURCES

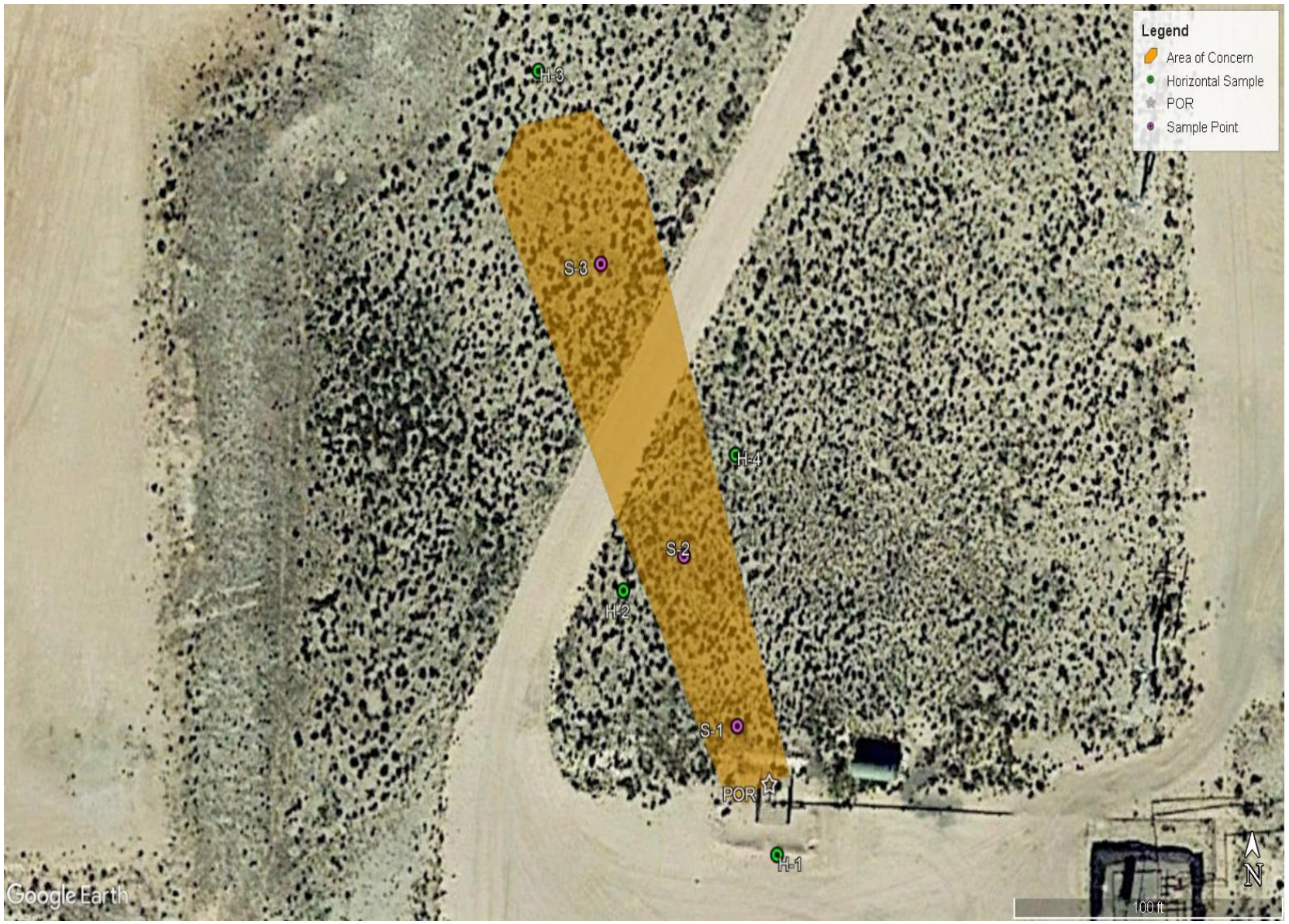
OVERVIEW MAP
COG OPERATING
WILD CAP STATE COM 6H (07.06.22)
EDDY COUNTY, NEW MEXICO
32.61109, -103.83018

CARMONA RESOURCES



TOPOGRAPHIC MAP
COG OPERATING
WILD CAP STATE COM 6H (07.06.22)
EDDY COUNTY, NEW MEXICO
32.61109, -103.83018

CARMONA RESOURCES



SAMPLE LOCATION MAP
COG OPERATING
WILD CAP STATE COM 6H (07.06.22)
EDDY COUNTY, NEW MEXICO
32.61109, -103.83018

CARMONA RESOURCES

EXCAVATION DEPTH MAP
COG OPERATING
WILD CAP STATE COM 6H (07.06.22)
EDDY COUNTY, NEW MEXICO
32.61109, -103.83018

CARMONA RESOURCES

APPENDIX A

CARMONA RESOURCES

Table 1
COG
Wild Cap State Com 6H (07.06.22)
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	7/28/2022	0-1	**487**	**6,690**	**996**	**8,170**	<0.101	0.363	2.95	7.27	10.6	**6,650**
	"	1.5	<49.8	51.4	<49.8	51.4	<0.00200	0.00324	0.00945	0.0306	0.0433	235
	"	2.5	<49.9	61.6	<49.9	61.6	<0.00199	0.00356	0.0124	0.0474	0.0634	314
	"	3.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	0.00350	0.0152	0.0187	346
	"	4.5	<50.0	80.3	<50.0	80.3	<0.00200	<0.00200	0.00318	0.0112	0.0144	545
S-2	7/28/2022	0-1	<50.0	**258**	<50.0	**258**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	55.6
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.1
	"	2.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.7
	"	3.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	15.4
	"	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	35.5
S-3	7/28/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	29.2
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7.63
H-1	7/28/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	263
H-2	7/28/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.7
H-3	7/28/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.84
H-4	7/28/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7.86
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 Cpm 6H (07.06.22)
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	9/23/2022	1.5	<50.0	<50.0	<50.0	<50.0	0.00202	0.00202	0.00202	0.00202	0.00403	28.8
CS-2	9/23/2022	1.5	<49.8	<49.8	<49.8	<49.8	0.00200	0.00200	0.00200	0.00200	0.00399	14.1
CS-3	9/23/2022	1.5	<49.9	<49.9	<49.9	<49.9	0.00198	0.00198	0.00198	0.00198	0.00396	12.9
CS-4	9/23/2022	1.5	<49.8	<49.8	<49.8	<49.8	0.00201	0.00201	0.00201	0.00201	0.00402	22.5
CS-5	9/23/2022	1.5	<50.0	<50.0	<50.0	<50.0	0.00200	0.00200	0.00200	0.00200	0.00399	<5.01
CS-6	9/23/2022	1.5	<50.0	<50.0	<50.0	<50.0	0.00198	0.00198	0.00198	0.00198	0.00396	19.8
CS-7	9/23/2022	1.5	<49.8	<49.8	<49.8	<49.8	0.00202	0.00202	0.00202	0.00202	0.00403	43.0
CS-8	9/23/2022	1.5	<49.9	<49.9	<49.9	<49.9	0.00200	0.00200	0.00200	0.00200	0.00399	15.9
CS-9	9/23/2022	1.5	<49.9	<49.9	<49.9	<49.9	0.00198	0.00198	0.00198	0.00198	0.00396	23.8
CS-10	9/23/2022	1.5	<49.8	<49.8	<49.8	<49.8	0.00199	0.00199	0.00199	0.00199	0.00398	10.6
CS-11	9/23/2022	1.5	<49.8	95.0	<49.8	95.0	0.00201	0.00397	0.00425	0.00695	0.0256	8.69
CS-12	9/23/2022	1.5	<50.0	<50.0	<50.0	<50.0	0.00200	0.00200	0.00200	0.00200	0.00399	28.8
CS-13	9/23/2022	1.5	<50.0	<50.0	<50.0	<50.0	0.00199	0.00199	0.00199	0.00199	0.00398	24.4
CS-14	9/23/2022	1.5	<49.9	<49.9	<49.9	<49.9	0.00201	0.00209	0.00214	0.00603	0.00152	15.9
CS-15	9/23/2022	1.5	<49.8	<49.8	<49.8	<49.8	0.00200	0.00200	0.00200	0.00200	0.00401	83.9
CS-16	9/23/2022	3	<49.9	<49.9	<49.9	<49.9	0.00199	0.00199	0.00199	0.00199	0.00398	10.7
CS-17	9/23/2022	1.5	<49.9	<49.9	<49.9	<49.9	0.00199	0.00199	0.00199	0.00199	0.00398	10.9
CS-18	9/23/2022	1.5	<50.0	<50.0	<50.0	<50.0	0.00198	0.00198	0.00198	0.00198	0.00396	8.70
CS-19	9/23/2022	1.5	<49.9	<49.9	<49.9	<49.9	0.00200	0.00200	0.00200	0.00200	0.00401	72.4
CS-20	9/23/2022	1.5	<50.0	<50.0	<50.0	<50.0	0.00200	0.00200	0.00200	0.00200	0.00399	37.1
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 Floor Sample

Table 2
COG
Wild Cap State Cpm 6H (07.06.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	9/7/2022	1.5	<49.9	<49.9	<49.9	<49.9	0.00200	0.00200	0.00200	0.00200	0.00399	12.3
SW-2	9/7/2022	1.5	<50.0	<50.0	<50.0	<50.0	0.00201	0.00201	0.00201	0.00201	0.00402	13.4
SW-3	9/7/2022	1.5	<50.0	<50.0	<50.0	<50.0	0.00201	0.00201	0.00201	0.00201	0.00402	15.0
SW-4	9/7/2022	3	<50.0	55.0	<50.0	55.0	0.00199	0.00199	0.00199	0.00199	0.004398	80.6
SW-5	9/7/2022	3	<49.9	<49.9	<49.9	<49.9	0.00202	0.00202	0.00202	0.00202	0.00403	16.3
SW-6	9/7/2022	3	<50.0	<50.0	<50.0	<50.0	0.00200	0.00200	0.00200	0.00200	0.00400	65.1
SW-7	9/7/2022	1.5	<50.0	<50.0	<50.0	<50.0	0.00201	0.00201	0.00201	0.00201	0.00402	98.6
Regulatory Criteria [A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

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

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Wild Cap State 006H (07.06.22)

County: Eddy County, New Mexico

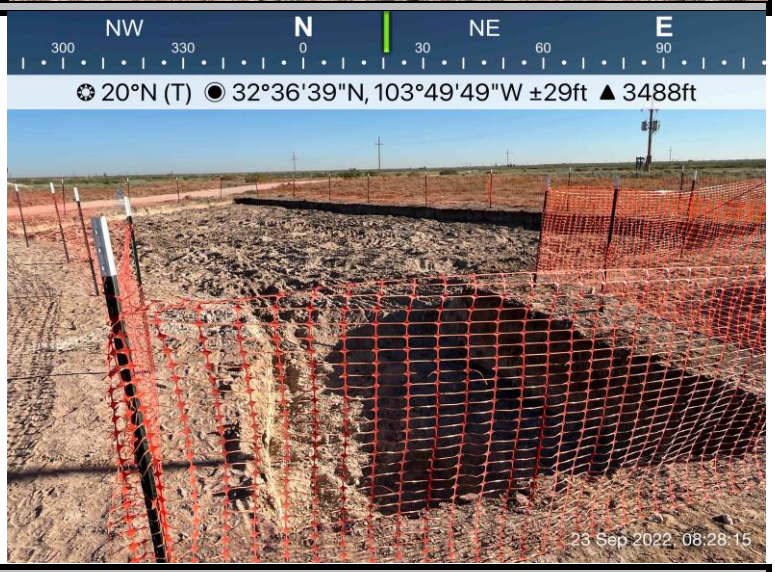
Description:
View Southeast, area of S-1, S-2, and S-3.

Photograph No. 2

Facility: Wild Cap State 006H (07.06.22)

County: Eddy County, New Mexico

Description:
View North, areas of CS-1 through CS-20.



Photograph No. 3

Facility: Wild Cap State 006H (07.06.22)

County: Eddy County, New Mexico

Description:
View South, areas of CS-1 through CS-20.

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: Jocelyn Harimon Date: 07/21/2022

L48 Spill Volume Estimate Form

Facility Name & Number:	Wild Cap State #6
Asset Area:	NDBW
Release Discovery Date & Time:	7/6/2022
Release Type:	Oil
Provide any known details about the event:	Flare oil spill

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	10.0	5.0	0.50	2	50.000	0.021	0.185	0.001	0.186			
Rectangle B	6.0	8.0	0.50	1	48.000	0.042	0.356	0.002	0.357			
Rectangle C	100.0	75.0	0.10	6	7500.000	0.001	1.854	0.000	1.854			
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!			
					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
								Total Volume Release:	2.397			

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

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 127644
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	7/21/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

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: 10/17/2022

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: 10/17/2022

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

Closure Approved by: Jennifer Nobui Date: _____

Printed Name: _____ Title: _____

From: Mike Carmona
Sent: Wednesday, September 21, 2022 12:42 PM
To: OCD.Enviro@state.nm.us
Cc: Harris, Jacqui; Conner Moehring
Subject: COG - Wild Cap State Com 6H (07.06.22) Sampling Notification

Good Morning,

On behalf of COG, Carmona Resources will collect confirmation samples at the below-referenced site on 09/23/22 around 11:40 a.m. Mountain Time. Please let me know if you have any questions.

COG - Wild Cap State Com 6H (07.06.22)
Sec 36 T19S R31E Unit M
32.610496, -103.829702
Eddy County, New Mexico

Mike J. Carmona
310 West Wall Street, Suite 415
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com

APPENDIX D

CARMONA RESOURCES

NEAREST WATER WELL

COG OPERATING

Legend

- 0.50 Mile Radius
- 0.64 Miles
- 0.89 Miles
- NMSEO Water Well
- USGS Water Well
- Wild Cap State Com 6H (07.06.22)

661.56' - Drilled 1975 - 3,497'

130' - Drilled 1982

Wild Cap State Com 6H (07.06.22)

126A

126A

N

5000 ft

Google Earth

LOW KARST

COG OPERATING

Legend

Low

Wild Cap State Com 6H (07.06.22)

Wild Cap State Com 6H (07.06.22)

N

4000 ft

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*	1022	300	130	170
CP 01864 POD1	CP	ED	4	2	1	34	19S	31E	607068	3609824	2954	110		
CP 00642 POD1	CP	ED		2	2	25	19S	31E	611025	3611657*	3187	250		
CP 00520	CP	ED	4	4	1	10	20S	31E	607163	3606278*	3592	280	130	150

Average Depth to Water: **130 feet**

Minimum Depth: **130 feet**

Maximum Depth: **130 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 609805.41 **Northing (Y):** 3608712.22 **Radius:** 4000

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

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 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**

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

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 =
- 323712103491001

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

USGS 323712103491001 19S.32E.31.114

Lea County, New Mexico
Latitude 32°37'12", Longitude 103°49'10" NAD27
Land-surface elevation 3,497 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national 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 measu
1966-09		M	62610		2974.45	NGVD29	1	Z		
1966-09		M	62611		2976.01	NAVD88	1	Z		
1966-09		M	72019	520.99			1	Z		
1967-07		M	62610		2990.31	NGVD29	1	Z		
1967-07		M	62611		2991.87	NAVD88	1	Z		
1967-07		M	72019	505.13			1	Z		
1967-09		M	62610		2986.43	NGVD29	1	Z		
1967-09		M	62611		2987.99	NAVD88	1	Z		
1967-09		M	72019	509.01			1	Z		
1967-11		M	62610		2982.96	NGVD29	1	Z		
1967-11		M	62611		2984.52	NAVD88	1	Z		
1967-11		M	72019	512.48			1	Z		
1968-01		M	62610		2979.75	NGVD29	1	Z		
1968-01		M	62611		2981.31	NAVD88	1	Z		
1968-01		M	72019	515.69			1	Z		
1968-03		M	62610		2976.92	NGVD29	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1968-03		M	62611		2978.48	NAVD88	1	Z		
1968-03		M	72019	518.52			1	Z		
1968-05		M	62610		2973.44	NGVD29	1	Z		
1968-05		M	62611		2975.00	NAVD88	1	Z		
1968-05		M	72019	522.00			1	Z		
1968-07		M	62610		2968.86	NGVD29	1	Z		
1968-07		M	62611		2970.42	NAVD88	1	Z		
1968-07		M	72019	526.58			1	Z		
1968-09		M	62610		2965.05	NGVD29	1	Z		
1968-09		M	62611		2966.61	NAVD88	1	Z		
1968-09		M	72019	530.39			1	Z		
1968-11		M	62610		2961.60	NGVD29	1	Z		
1968-11		M	62611		2963.16	NAVD88	1	Z		
1968-11		M	72019	533.84			1	Z		
1969-01		M	62610		2958.39	NGVD29	1	Z		
1969-01		M	62611		2959.95	NAVD88	1	Z		
1969-01		M	72019	537.05			1	Z		
1969-03		M	62610		2954.31	NGVD29	1	Z		
1969-03		M	62611		2955.87	NAVD88	1	Z		
1969-03		M	72019	541.13			1	Z		
1969-05		M	62610		2950.86	NGVD29	1	Z		
1969-05		M	62611		2952.42	NAVD88	1	Z		
1969-05		M	72019	544.58			1	Z		
1969-07		M	62610		2947.00	NGVD29	1	Z		
1969-07		M	62611		2948.56	NAVD88	1	Z		
1969-07		M	72019	548.44			1	Z		
1969-09		M	62610		2943.31	NGVD29	1	Z		
1969-09		M	62611		2944.87	NAVD88	1	Z		
1969-09		M	72019	552.13			1	Z		
1969-11		M	62610		2940.77	NGVD29	1	Z		
1969-11		M	62611		2942.33	NAVD88	1	Z		
1969-11		M	72019	554.67			1	Z		
1970-01		M	62610		2938.01	NGVD29	1	Z		
1970-01		M	62611		2939.57	NAVD88	1	Z		
1970-01		M	72019	557.43			1	Z		
1970-03		M	62610		2936.13	NGVD29	1	Z		
1970-03		M	62611		2937.69	NAVD88	1	Z		
1970-03		M	72019	559.31			1	Z		
1970-05		M	62610		2932.48	NGVD29	1	Z		
1970-05		M	62611		2934.04	NAVD88	1	Z		
1970-05		M	72019	562.96			1	Z		
1970-07		M	62610		2928.11	NGVD29	1	Z		
1970-07		M	62611		2929.67	NAVD88	1	Z		
1970-07		M	72019	567.33			1	Z		
1970-09		M	62610		2923.92	NGVD29	1	Z		
1970-09		M	62611		2925.48	NAVD88	1	Z		
1970-09		M	72019	571.52			1	Z		
1970-11		M	62610		2921.27	NGVD29	1	Z		
1970-11		M	62611		2922.83	NAVD88	1	Z		
1970-11		M	72019	574.17			1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1971-01		M	62610		2917.43	NGVD29	1	Z		
1971-01		M	62611		2918.99	NAVD88	1	Z		
1971-01		M	72019	578.01			1	Z		
1971-03		M	62610		2914.32	NGVD29	1	Z		
1971-03		M	62611		2915.88	NAVD88	1	Z		
1971-03		M	72019	581.12			1	Z		
1971-05		M	62610		2908.92	NGVD29	1	Z		
1971-05		M	62611		2910.48	NAVD88	1	Z		
1971-05		M	72019	586.52			1	Z		
1971-07		M	62610		2904.68	NGVD29	1	Z		
1971-07		M	62611		2906.24	NAVD88	1	Z		
1971-07		M	72019	590.76			1	Z		
1971-09		M	62610		2901.09	NGVD29	1	Z		
1971-09		M	62611		2902.65	NAVD88	1	Z		
1971-09		M	72019	594.35			1	Z		
1971-11		M	62610		2898.49	NGVD29	1	Z		
1971-11		M	62611		2900.05	NAVD88	1	Z		
1971-11		M	72019	596.95			1	Z		
1972-01		M	62610		2896.02	NGVD29	1	Z		
1972-01		M	62611		2897.58	NAVD88	1	Z		
1972-01		M	72019	599.42			1	Z		
1972-03		M	62610		2893.24	NGVD29	1	Z		
1972-03		M	62611		2894.80	NAVD88	1	Z		
1972-03		M	72019	602.20			1	Z		
1972-05		M	62610		2889.97	NGVD29	1	Z		
1972-05		M	62611		2891.53	NAVD88	1	Z		
1972-05		M	72019	605.47			1	Z		
1972-07		M	62610		2886.81	NGVD29	1	Z		
1972-07		M	62611		2888.37	NAVD88	1	Z		
1972-07		M	72019	608.63			1	Z		
1972-09		M	62610		2884.10	NGVD29	1	Z		
1972-09		M	62611		2885.66	NAVD88	1	Z		
1972-09		M	72019	611.34			1	Z		
1972-11		M	62610		2882.57	NGVD29	1	Z		
1972-11		M	62611		2884.13	NAVD88	1	Z		
1972-11		M	72019	612.87			1	Z		
1973-01		M	62610		2880.52	NGVD29	1	Z		
1973-01		M	62611		2882.08	NAVD88	1	Z		
1973-01		M	72019	614.92			1	Z		
1973-03		M	62610		2879.59	NGVD29	1	Z		
1973-03		M	62611		2881.15	NAVD88	1	Z		
1973-03		M	72019	615.85			1	Z		
1973-05		M	62610		2874.74	NGVD29	1	Z		
1973-05		M	62611		2876.30	NAVD88	1	Z		
1973-05		M	72019	620.70			1	Z		
1973-07		M	62610		2871.78	NGVD29	1	Z		
1973-07		M	62611		2873.34	NAVD88	1	Z		
1973-07		M	72019	623.66			1	Z		
1973-09		M	62610		2865.11	NGVD29	1	Z		
1973-09		M	62611		2866.67	NAVD88	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1973-09		M	72019	630.33			1	Z		
1973-11		M	62610		2862.56	NGVD29	1	Z		
1973-11		M	62611		2864.12	NAVD88	1	Z		
1973-11		M	72019	632.88			1	Z		
1974-01		M	62610		2859.06	NGVD29	1	Z		
1974-01		M	62611		2860.62	NAVD88	1	Z		
1974-01		M	72019	636.38			1	Z		
1974-03		M	62610		2856.03	NGVD29	1	Z		
1974-03		M	62611		2857.59	NAVD88	1	Z		
1974-03		M	72019	639.41			1	Z		
1974-05		M	62610		2850.30	NGVD29	1	Z		
1974-05		M	62611		2851.86	NAVD88	1	Z		
1974-05		M	72019	645.14			1	Z		
1974-09		M	62610		2844.19	NGVD29	1	Z		
1974-09		M	62611		2845.75	NAVD88	1	Z		
1974-09		M	72019	651.25			1	Z		
1975-03-21		D	62610		2839.65	NGVD29	1	Z		
1975-03-21		D	62611		2841.21	NAVD88	1	Z		
1975-03-21		D	72019	655.79			1	Z		
1975-03-22		D	62610		2839.78	NGVD29	1	Z		
1975-03-22		D	62611		2841.34	NAVD88	1	Z		
1975-03-22		D	72019	655.66			1	Z		
1975-03-23		D	62610		2839.84	NGVD29	1	Z		
1975-03-23		D	62611		2841.40	NAVD88	1	Z		
1975-03-23		D	72019	655.60			1	Z		
1975-03-24		D	62610		2839.59	NGVD29	1	Z		
1975-03-24		D	62611		2841.15	NAVD88	1	Z		
1975-03-24		D	72019	655.85			1	Z		
1975-03-25		D	62610		2839.58	NGVD29	1	Z		
1975-03-25		D	62611		2841.14	NAVD88	1	Z		
1975-03-25		D	72019	655.86			1	Z		
1975-03-26		D	62610		2839.79	NGVD29	1	Z		
1975-03-26		D	62611		2841.35	NAVD88	1	Z		
1975-03-26		D	72019	655.65			1	Z		
1975-03-27		D	62610		2839.74	NGVD29	1	Z		
1975-03-27		D	62611		2841.30	NAVD88	1	Z		
1975-03-27		D	72019	655.70			1	Z		
1975-03-28		D	62610		2839.56	NGVD29	1	Z		
1975-03-28		D	62611		2841.12	NAVD88	1	Z		
1975-03-28		D	72019	655.88			1	Z		
1975-03-29		D	62610		2839.39	NGVD29	1	Z		
1975-03-29		D	62611		2840.95	NAVD88	1	Z		
1975-03-29		D	72019	656.05			1	Z		
1975-03-30		D	62610		2839.34	NGVD29	1	Z		
1975-03-30		D	62611		2840.90	NAVD88	1	Z		
1975-03-30		D	72019	656.10			1	Z		
1975-03-31		D	62610		2839.55	NGVD29	1	Z		
1975-03-31		D	62611		2841.11	NAVD88	1	Z		
1975-03-31		D	72019	655.89			1	Z		
1975-04-01		D	62610		2839.48	NGVD29	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1975-04-01		D	62611		2841.04	NAVD88	1	Z		
1975-04-01		D	72019	655.96			1	Z		
1975-04-02		D	62610		2839.30	NGVD29	1	Z		
1975-04-02		D	62611		2840.86	NAVD88	1	Z		
1975-04-02		D	72019	656.14			1	Z		
1975-04-03		D	62610		2839.15	NGVD29	1	Z		
1975-04-03		D	62611		2840.71	NAVD88	1	Z		
1975-04-03		D	72019	656.29			1	Z		
1975-04-04		D	62610		2839.24	NGVD29	1	Z		
1975-04-04		D	62611		2840.80	NAVD88	1	Z		
1975-04-04		D	72019	656.20			1	Z		
1975-04-05		D	62610		2839.19	NGVD29	1	Z		
1975-04-05		D	62611		2840.75	NAVD88	1	Z		
1975-04-05		D	72019	656.25			1	Z		
1975-04-06		D	62610		2839.21	NGVD29	1	Z		
1975-04-06		D	62611		2840.77	NAVD88	1	Z		
1975-04-06		D	72019	656.23			1	Z		
1975-04-07		D	62610		2839.37	NGVD29	1	Z		
1975-04-07		D	62611		2840.93	NAVD88	1	Z		
1975-04-07		D	72019	656.07			1	Z		
1975-04-08		D	62610		2839.16	NGVD29	1	Z		
1975-04-08		D	62611		2840.72	NAVD88	1	Z		
1975-04-08		D	72019	656.28			1	Z		
1975-04-09		D	62610		2838.96	NGVD29	1	Z		
1975-04-09		D	62611		2840.52	NAVD88	1	Z		
1975-04-09		D	72019	656.48			1	Z		
1975-04-10		D	62610		2839.02	NGVD29	1	Z		
1975-04-10		D	62611		2840.58	NAVD88	1	Z		
1975-04-10		D	72019	656.42			1	Z		
1975-04-11		D	62610		2838.81	NGVD29	1	Z		
1975-04-11		D	62611		2840.37	NAVD88	1	Z		
1975-04-11		D	72019	656.63			1	Z		
1975-04-12		D	62610		2838.82	NGVD29	1	Z		
1975-04-12		D	62611		2840.38	NAVD88	1	Z		
1975-04-12		D	72019	656.62			1	Z		
1975-04-13		D	62610		2838.89	NGVD29	1	Z		
1975-04-13		D	62611		2840.45	NAVD88	1	Z		
1975-04-13		D	72019	656.55			1	Z		
1975-04-14		D	62610		2838.73	NGVD29	1	Z		
1975-04-14		D	62611		2840.29	NAVD88	1	Z		
1975-04-14		D	72019	656.71			1	Z		
1975-04-15		D	62610		2838.69	NGVD29	1	Z		
1975-04-15		D	62611		2840.25	NAVD88	1	Z		
1975-04-15		D	72019	656.75			1	Z		
1975-04-16		D	62610		2838.74	NGVD29	1	Z		
1975-04-16		D	62611		2840.30	NAVD88	1	Z		
1975-04-16		D	72019	656.70			1	Z		
1975-04-17		D	62610		2838.86	NGVD29	1	Z		
1975-04-17		D	62611		2840.42	NAVD88	1	Z		
1975-04-17		D	72019	656.58			1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1975-04-18		D	62610		2838.82	NGVD29	1	Z		
1975-04-18		D	62611		2840.38	NAVD88	1	Z		
1975-04-18		D	72019	656.62			1	Z		
1975-04-19		D	62610		2838.51	NGVD29	1	Z		
1975-04-19		D	62611		2840.07	NAVD88	1	Z		
1975-04-19		D	72019	656.93			1	Z		
1975-04-20		D	62610		2838.48	NGVD29	1	Z		
1975-04-20		D	62611		2840.04	NAVD88	1	Z		
1975-04-20		D	72019	656.96			1	Z		
1975-04-21		D	62610		2838.39	NGVD29	1	Z		
1975-04-21		D	62611		2839.95	NAVD88	1	Z		
1975-04-21		D	72019	657.05			1	Z		
1975-04-22		D	62610		2838.41	NGVD29	1	Z		
1975-04-22		D	62611		2839.97	NAVD88	1	Z		
1975-04-22		D	72019	657.03			1	Z		
1975-04-23		D	62610		2838.42	NGVD29	1	Z		
1975-04-23		D	62611		2839.98	NAVD88	1	Z		
1975-04-23		D	72019	657.02			1	Z		
1975-04-24		D	62610		2838.40	NGVD29	1	Z		
1975-04-24		D	62611		2839.96	NAVD88	1	Z		
1975-04-24		D	72019	657.04			1	Z		
1975-04-25		D	62610		2838.38	NGVD29	1	Z		
1975-04-25		D	62611		2839.94	NAVD88	1	Z		
1975-04-25		D	72019	657.06			1	Z		
1975-04-26		D	62610		2838.42	NGVD29	1	Z		
1975-04-26		D	62611		2839.98	NAVD88	1	Z		
1975-04-26		D	72019	657.02			1	Z		
1975-04-27		D	62610		2838.41	NGVD29	1	Z		
1975-04-27		D	62611		2839.97	NAVD88	1	Z		
1975-04-27		D	72019	657.03			1	Z		
1975-04-28		D	62610		2838.27	NGVD29	1	Z		
1975-04-28		D	62611		2839.83	NAVD88	1	Z		
1975-04-28		D	72019	657.17			1	Z		
1975-04-29		D	62610		2838.32	NGVD29	1	Z		
1975-04-29		D	62611		2839.88	NAVD88	1	Z		
1975-04-29		D	72019	657.12			1	Z		
1975-04-30		D	62610		2838.12	NGVD29	1	Z		
1975-04-30		D	62611		2839.68	NAVD88	1	Z		
1975-04-30		D	72019	657.32			1	Z		
1975-05-01		D	62610		2838.03	NGVD29	1	Z		
1975-05-01		D	62611		2839.59	NAVD88	1	Z		
1975-05-01		D	72019	657.41			1	Z		
1975-05-02		D	62610		2838.03	NGVD29	1	Z		
1975-05-02		D	62611		2839.59	NAVD88	1	Z		
1975-05-02		D	72019	657.41			1	Z		
1975-05-03		D	62610		2837.93	NGVD29	1	Z		
1975-05-03		D	62611		2839.49	NAVD88	1	Z		
1975-05-03		D	72019	657.51			1	Z		
1975-05-04		D	62610		2837.98	NGVD29	1	Z		
1975-05-04		D	62611		2839.54	NAVD88	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1975-05-04		D	72019	657.46			1	Z		
1975-05-05		D	62610		2838.02	NGVD29	1	Z		
1975-05-05		D	62611		2839.58	NAVD88	1	Z		
1975-05-05		D	72019	657.42			1	Z		
1975-05-06		D	62610		2837.91	NGVD29	1	Z		
1975-05-06		D	62611		2839.47	NAVD88	1	Z		
1975-05-06		D	72019	657.53			1	Z		
1975-05-07		D	62610		2837.85	NGVD29	1	Z		
1975-05-07		D	62611		2839.41	NAVD88	1	Z		
1975-05-07		D	72019	657.59			1	Z		
1975-05-08		D	62610		2837.74	NGVD29	1	Z		
1975-05-08		D	62611		2839.30	NAVD88	1	Z		
1975-05-08		D	72019	657.70			1	Z		
1975-05-09		D	62610		2837.63	NGVD29	1	Z		
1975-05-09		D	62611		2839.19	NAVD88	1	Z		
1975-05-09		D	72019	657.81			1	Z		
1975-05-10		D	62610		2837.56	NGVD29	1	Z		
1975-05-10		D	62611		2839.12	NAVD88	1	Z		
1975-05-10		D	72019	657.88			1	Z		
1975-05-11		D	62610		2837.57	NGVD29	1	Z		
1975-05-11		D	62611		2839.13	NAVD88	1	Z		
1975-05-11		D	72019	657.87			1	Z		
1975-05-12		D	62610		2837.62	NGVD29	1	Z		
1975-05-12		D	62611		2839.18	NAVD88	1	Z		
1975-05-12		D	72019	657.82			1	Z		
1975-05-13		D	62610		2837.62	NGVD29	1	Z		
1975-05-13		D	62611		2839.18	NAVD88	1	Z		
1975-05-13		D	72019	657.82			1	Z		
1975-05-14		D	62610		2837.47	NGVD29	1	Z		
1975-05-14		D	62611		2839.03	NAVD88	1	Z		
1975-05-14		D	72019	657.97			1	Z		
1975-05-15		D	62610		2837.41	NGVD29	1	Z		
1975-05-15		D	62611		2838.97	NAVD88	1	Z		
1975-05-15		D	72019	658.03			1	Z		
1975-05-16		D	62610		2837.42	NGVD29	1	Z		
1975-05-16		D	62611		2838.98	NAVD88	1	Z		
1975-05-16		D	72019	658.02			1	Z		
1975-05-17		D	62610		2837.34	NGVD29	1	Z		
1975-05-17		D	62611		2838.90	NAVD88	1	Z		
1975-05-17		D	72019	658.10			1	Z		
1975-05-18		D	62610		2837.26	NGVD29	1	Z		
1975-05-18		D	62611		2838.82	NAVD88	1	Z		
1975-05-18		D	72019	658.18			1	Z		
1975-05-19		D	62610		2837.27	NGVD29	1	Z		
1975-05-19		D	62611		2838.83	NAVD88	1	Z		
1975-05-19		D	72019	658.17			1	Z		
1975-05-20		D	62610		2837.34	NGVD29	1	Z		
1975-05-20		D	62611		2838.90	NAVD88	1	Z		
1975-05-20		D	72019	658.10			1	Z		
1975-05-21		D	62610		2837.22	NGVD29	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1975-05-21		D	62611		2838.78	NAVD88	1	Z		
1975-05-21		D	72019	658.22			1	Z		
1975-05-22		D	62610		2837.21	NGVD29	1	Z		
1975-05-22		D	62611		2838.77	NAVD88	1	Z		
1975-05-22		D	72019	658.23			1	Z		
1975-05-23		D	62610		2837.02	NGVD29	1	Z		
1975-05-23		D	62611		2838.58	NAVD88	1	Z		
1975-05-23		D	72019	658.42			1	Z		
1975-05-24		D	62610		2837.00	NGVD29	1	Z		
1975-05-24		D	62611		2838.56	NAVD88	1	Z		
1975-05-24		D	72019	658.44			1	Z		
1975-05-25		D	62610		2836.99	NGVD29	1	Z		
1975-05-25		D	62611		2838.55	NAVD88	1	Z		
1975-05-25		D	72019	658.45			1	Z		
1975-05-26		D	62610		2836.81	NGVD29	1	Z		
1975-05-26		D	62611		2838.37	NAVD88	1	Z		
1975-05-26		D	72019	658.63			1	Z		
1975-05-27		D	62610		2836.84	NGVD29	1	Z		
1975-05-27		D	62611		2838.40	NAVD88	1	Z		
1975-05-27		D	72019	658.60			1	Z		
1975-05-28		D	62610		2836.97	NGVD29	1	Z		
1975-05-28		D	62611		2838.53	NAVD88	1	Z		
1975-05-28		D	72019	658.47			1	Z		
1975-05-29		D	62610		2836.89	NGVD29	1	Z		
1975-05-29		D	62611		2838.45	NAVD88	1	Z		
1975-05-29		D	72019	658.55			1	Z		
1975-05-30		D	62610		2836.68	NGVD29	1	Z		
1975-05-30		D	62611		2838.24	NAVD88	1	Z		
1975-05-30		D	72019	658.76			1	Z		
1975-05-31		D	62610		2836.67	NGVD29	1	Z		
1975-05-31		D	62611		2838.23	NAVD88	1	Z		
1975-05-31		D	72019	658.77			1	Z		
1975-06-01		D	62610		2836.61	NGVD29	1	Z		
1975-06-01		D	62611		2838.17	NAVD88	1	Z		
1975-06-01		D	72019	658.83			1	Z		
1975-06-02		D	62610		2836.51	NGVD29	1	Z		
1975-06-02		D	62611		2838.07	NAVD88	1	Z		
1975-06-02		D	72019	658.93			1	Z		
1975-06-03		D	62610		2836.56	NGVD29	1	Z		
1975-06-03		D	62611		2838.12	NAVD88	1	Z		
1975-06-03		D	72019	658.88			1	Z		
1975-06-04		D	62610		2836.55	NGVD29	1	Z		
1975-06-04		D	62611		2838.11	NAVD88	1	Z		
1975-06-04		D	72019	658.89			1	Z		
1975-06-05		D	62610		2836.44	NGVD29	1	Z		
1975-06-05		D	62611		2838.00	NAVD88	1	Z		
1975-06-05		D	72019	659.00			1	Z		
1975-06-06		D	62610		2836.34	NGVD29	1	Z		
1975-06-06		D	62611		2837.90	NAVD88	1	Z		
1975-06-06		D	72019	659.10			1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1975-06-07		D	62610		2836.31	NGVD29	1	Z		
1975-06-07		D	62611		2837.87	NAVD88	1	Z		
1975-06-07		D	72019	659.13			1	Z		
1975-06-08		D	62610		2836.28	NGVD29	1	Z		
1975-06-08		D	62611		2837.84	NAVD88	1	Z		
1975-06-08		D	72019	659.16			1	Z		
1975-06-09		D	62610		2836.23	NGVD29	1	Z		
1975-06-09		D	62611		2837.79	NAVD88	1	Z		
1975-06-09		D	72019	659.21			1	Z		
1975-06-10		D	62610		2836.09	NGVD29	1	Z		
1975-06-10		D	62611		2837.65	NAVD88	1	Z		
1975-06-10		D	72019	659.35			1	Z		
1975-06-11		D	62610		2835.94	NGVD29	1	Z		
1975-06-11		D	62611		2837.50	NAVD88	1	Z		
1975-06-11		D	72019	659.50			1	Z		
1975-06-13		D	62610		2835.91	NGVD29	1	Z		
1975-06-13		D	62611		2837.47	NAVD88	1	Z		
1975-06-13		D	72019	659.53			1	Z		
1975-06-14		D	62610		2835.92	NGVD29	1	Z		
1975-06-14		D	62611		2837.48	NAVD88	1	Z		
1975-06-14		D	72019	659.52			1	Z		
1975-06-15		D	62610		2835.83	NGVD29	1	Z		
1975-06-15		D	62611		2837.39	NAVD88	1	Z		
1975-06-15		D	72019	659.61			1	Z		
1975-06-16		D	62610		2835.87	NGVD29	1	Z		
1975-06-16		D	62611		2837.43	NAVD88	1	Z		
1975-06-16		D	72019	659.57			1	Z		
1975-06-17		D	62610		2835.83	NGVD29	1	Z		
1975-06-17		D	62611		2837.39	NAVD88	1	Z		
1975-06-17		D	72019	659.61			1	Z		
1975-06-18		D	62610		2835.77	NGVD29	1	Z		
1975-06-18		D	62611		2837.33	NAVD88	1	Z		
1975-06-18		D	72019	659.67			1	Z		
1975-06-19		D	62610		2835.57	NGVD29	1	Z		
1975-06-19		D	62611		2837.13	NAVD88	1	Z		
1975-06-19		D	72019	659.87			1	Z		
1975-06-20		D	62610		2835.47	NGVD29	1	Z		
1975-06-20		D	62611		2837.03	NAVD88	1	Z		
1975-06-20		D	72019	659.97			1	Z		
1975-06-21		D	62610		2835.43	NGVD29	1	Z		
1975-06-21		D	62611		2836.99	NAVD88	1	Z		
1975-06-21		D	72019	660.01			1	Z		
1975-06-22		D	62610		2835.35	NGVD29	1	Z		
1975-06-22		D	62611		2836.91	NAVD88	1	Z		
1975-06-22		D	72019	660.09			1	Z		
1975-06-23		D	62610		2835.22	NGVD29	1	Z		
1975-06-23		D	62611		2836.78	NAVD88	1	Z		
1975-06-23		D	72019	660.22			1	Z		
1975-06-24		D	62610		2835.12	NGVD29	1	Z		
1975-06-24		D	62611		2836.68	NAVD88	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1975-06-24		D	72019	660.32			1	Z		
1975-06-25		D	62610		2835.16	NGVD29	1	Z		
1975-06-25		D	62611		2836.72	NAVD88	1	Z		
1975-06-25		D	72019	660.28			1	Z		
1975-06-26		D	62610		2835.16	NGVD29	1	Z		
1975-06-26		D	62611		2836.72	NAVD88	1	Z		
1975-06-26		D	72019	660.28			1	Z		
1975-06-27		D	62610		2835.08	NGVD29	1	Z		
1975-06-27		D	62611		2836.64	NAVD88	1	Z		
1975-06-27		D	72019	660.36			1	Z		
1975-06-28		D	62610		2835.02	NGVD29	1	Z		
1975-06-28		D	62611		2836.58	NAVD88	1	Z		
1975-06-28		D	72019	660.42			1	Z		
1975-06-29		D	62610		2834.91	NGVD29	1	Z		
1975-06-29		D	62611		2836.47	NAVD88	1	Z		
1975-06-29		D	72019	660.53			1	Z		
1975-06-30		D	62610		2834.79	NGVD29	1	Z		
1975-06-30		D	62611		2836.35	NAVD88	1	Z		
1975-06-30		D	72019	660.65			1	Z		
1975-07-01		D	62610		2834.71	NGVD29	1	Z		
1975-07-01		D	62611		2836.27	NAVD88	1	Z		
1975-07-01		D	72019	660.73			1	Z		
1975-07-02		D	62610		2834.62	NGVD29	1	Z		
1975-07-02		D	62611		2836.18	NAVD88	1	Z		
1975-07-02		D	72019	660.82			1	Z		
1975-07-03		D	62610		2834.56	NGVD29	1	Z		
1975-07-03		D	62611		2836.12	NAVD88	1	Z		
1975-07-03		D	72019	660.88			1	Z		
1975-07-04		D	62610		2834.49	NGVD29	1	Z		
1975-07-04		D	62611		2836.05	NAVD88	1	Z		
1975-07-04		D	72019	660.95			1	Z		
1975-07-05		D	62610		2834.50	NGVD29	1	Z		
1975-07-05		D	62611		2836.06	NAVD88	1	Z		
1975-07-05		D	72019	660.94			1	Z		
1975-07-06		D	62610		2834.51	NGVD29	1	Z		
1975-07-06		D	62611		2836.07	NAVD88	1	Z		
1975-07-06		D	72019	660.93			1	Z		
1975-07-07		D	62610		2834.42	NGVD29	1	Z		
1975-07-07		D	62611		2835.98	NAVD88	1	Z		
1975-07-07		D	72019	661.02			1	Z		
1975-07-08		D	62610		2834.31	NGVD29	1	Z		
1975-07-08		D	62611		2835.87	NAVD88	1	Z		
1975-07-08		D	72019	661.13			1	Z		
1975-07-09		D	62610		2834.29	NGVD29	1	Z		
1975-07-09		D	62611		2835.85	NAVD88	1	Z		
1975-07-09		D	72019	661.15			1	Z		
1975-07-10		D	62610		2834.28	NGVD29	1	Z		
1975-07-10		D	62611		2835.84	NAVD88	1	Z		
1975-07-10		D	72019	661.16			1	Z		
1975-07-11		D	62610		2834.23	NGVD29	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1975-07-11		D	62611		2835.79	NAVD88	1	Z		
1975-07-11		D	72019	661.21			1	Z		
1975-07-12		D	62610		2834.22	NGVD29	1	Z		
1975-07-12		D	62611		2835.78	NAVD88	1	Z		
1975-07-12		D	72019	661.22			1	Z		
1975-07-13		D	62610		2834.15	NGVD29	1	Z		
1975-07-13		D	62611		2835.71	NAVD88	1	Z		
1975-07-13		D	72019	661.29			1	Z		
1975-07-14		D	62610		2834.10	NGVD29	1	Z		
1975-07-14		D	62611		2835.66	NAVD88	1	Z		
1975-07-14		D	72019	661.34			1	Z		
1975-07-15		D	62610		2833.99	NGVD29	1	Z		
1975-07-15		D	62611		2835.55	NAVD88	1	Z		
1975-07-15		D	72019	661.45			1	Z		
1975-07-16		D	62610		2833.93	NGVD29	1	Z		
1975-07-16		D	62611		2835.49	NAVD88	1	Z		
1975-07-16		D	72019	661.51			1	Z		
1975-07-17		D	62610		2833.88	NGVD29	1	Z		
1975-07-17		D	62611		2835.44	NAVD88	1	Z		
1975-07-17		D	72019	661.56			1	Z		

Explanation

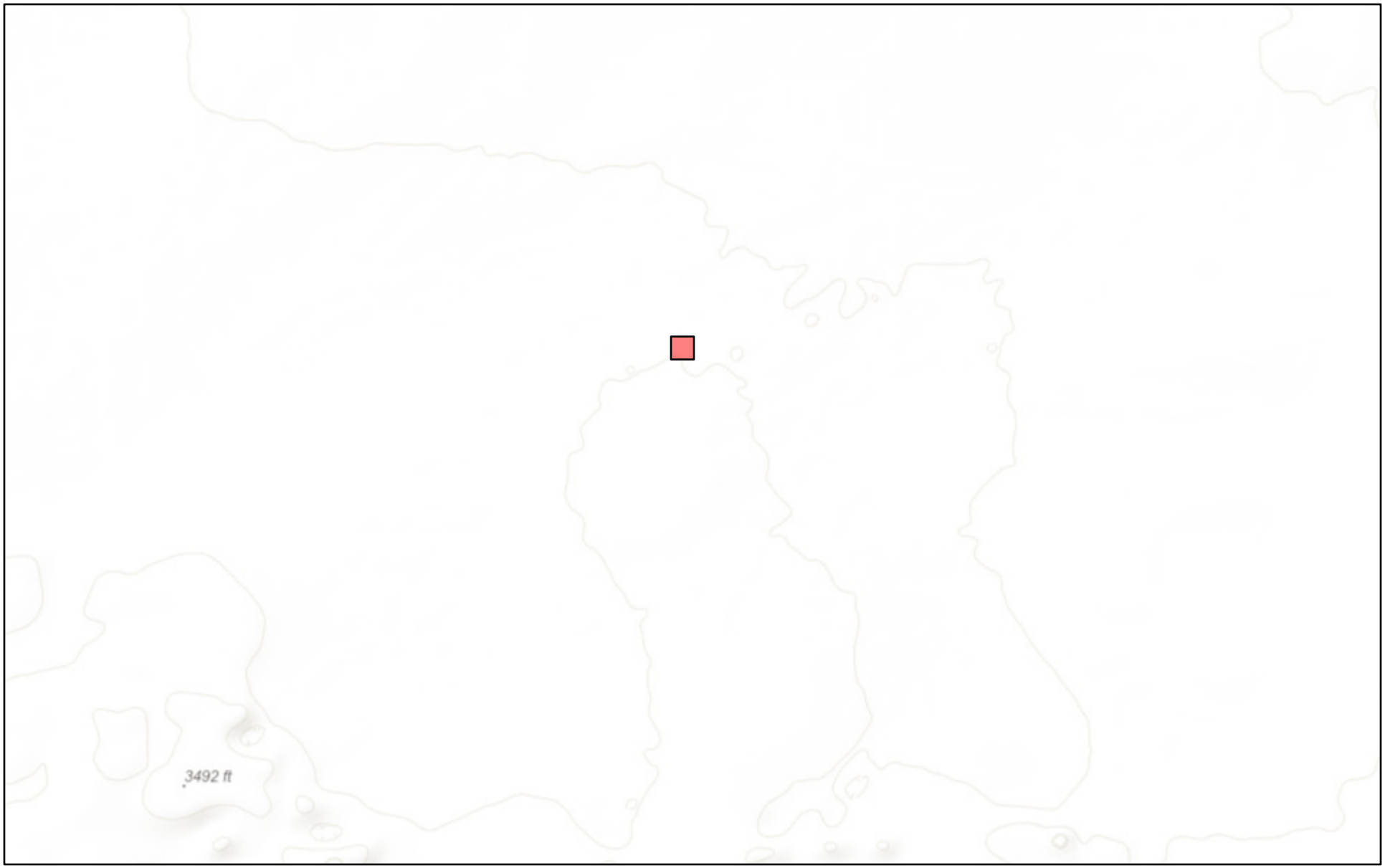
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	M	Date is accurate to the Month
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	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

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: 2022-07-29 09:03:15 EDT
0.36 0.28 nadww01

New Mexico NFHL Data



July 29, 2022

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 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 America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-17507-1
Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Wild Cap State Com 6H (07.06.22)

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

Attn: Ashton Thielke

JKramer

Authorized for release by:
8/4/2022 3:58:24 PM

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

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

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

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Laboratory Job ID: 880-17507-1
SDG: Eddy Co, NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Job ID: 880-17507-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-17507-1

Receipt
The samples were received on 7/29/2022 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-31191 and analytical batch 880-31253 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-17507-1) and S-1 (3.5') (880-17507-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
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 for preparation batch 880-30997 and 880-30997 and analytical batch 880-31070 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.The associated samples are: S-1 (0-1') (880-17507-1), S-1 (1.5') (880-17507-2), S-1 (2.5') (880-17507-3), S-1 (3.5') (880-17507-4), S-1 (4.5') (880-17507-5), S-2 (0-1') (880-17507-6), S-2 (1.5') (880-17507-7), S-2 (3.5') (880-17507-9), S-2 (4.5') (880-17507-10), S-3 (0-1') (880-17507-11), S-3 (1.5') (880-17507-12), H-1 (0-0.5') (880-17507-13), H-2 (0-0.5') (880-17507-14), (880-17499-A-1-A), (880-17499-A-1-B MS), (880-17499-A-1-C MSD), (880-17507-A-5-E MS) and (880-17507-A-5-F MSD).

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 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17507-1

Date Collected: 07/28/22 00:00
Matrix: Solid
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.101	U	0.101		mg/Kg		08/01/22 13:04	08/03/22 02:15	50
Toluene	**0.363**		0.101		mg/Kg		08/01/22 13:04	08/03/22 02:15	50
Ethylbenzene	**2.95**		0.101		mg/Kg		08/01/22 13:04	08/03/22 02:15	50
m-Xylene & p-Xylene	**4.65**		0.202		mg/Kg		08/01/22 13:04	08/03/22 02:15	50
o-Xylene	**2.62**		0.101		mg/Kg		08/01/22 13:04	08/03/22 02:15	50
Xylenes, Total	**7.27**		0.202		mg/Kg		08/01/22 13:04	08/03/22 02:15	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*194*	*S1+*	*70 - 130*	*08/01/22 13:04*	*08/03/22 02:15*	*50*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/01/22 13:04*	*08/03/22 02:15*	*50*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**10.6**		0.202		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**8170**		250		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**487**		250		mg/Kg		07/29/22 15:32	08/01/22 05:03	5
Diesel Range Organics (Over C10-C28)	**6690**		250		mg/Kg		07/29/22 15:32	08/01/22 05:03	5
Oil Range Organics (Over C28-C36)	**996**		250		mg/Kg		07/29/22 15:32	08/01/22 05:03	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*07/29/22 15:32*	*08/01/22 05:03*	*5*
o-Terphenyl	*104*		*70 - 130*	*07/29/22 15:32*	*08/01/22 05:03*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6650**		50.5		mg/Kg			07/30/22 19:08	10

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17507-2

Date Collected: 07/28/22 00:00
Matrix: Solid
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/02/22 23:10	1
Toluene	**0.00324**	**F1**	0.00200		mg/Kg		08/01/22 13:04	08/02/22 23:10	1
Ethylbenzene	**0.00945**	**F1**	0.00200		mg/Kg		08/01/22 13:04	08/02/22 23:10	1
m-Xylene & p-Xylene	**0.0177**	**F1**	0.00399		mg/Kg		08/01/22 13:04	08/02/22 23:10	1
o-Xylene	**0.0129**	**F1**	0.00200		mg/Kg		08/01/22 13:04	08/02/22 23:10	1
Xylenes, Total	**0.0306**	**F1**	0.00399		mg/Kg		08/01/22 13:04	08/02/22 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*08/01/22 13:04*	*08/02/22 23:10*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*08/01/22 13:04*	*08/02/22 23:10*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17507-2
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0433**		0.00399		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**51.4**		49.8		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/29/22 15:32	07/31/22 23:03	1
Diesel Range Organics (Over C10-C28)	**51.4**		49.8		mg/Kg		07/29/22 15:32	07/31/22 23:03	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/29/22 15:32	07/31/22 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*07/29/22 15:32*	*07/31/22 23:03*	*1*
o-Terphenyl	*93*		*70 - 130*	*07/29/22 15:32*	*07/31/22 23:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**235**		4.99		mg/Kg			07/30/22 19:16	1

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-17507-3
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/02/22 23:31	1
Toluene	**0.00356**		0.00199		mg/Kg		08/01/22 13:04	08/02/22 23:31	1
Ethylbenzene	**0.0124**		0.00199		mg/Kg		08/01/22 13:04	08/02/22 23:31	1
m-Xylene & p-Xylene	**0.0245**		0.00398		mg/Kg		08/01/22 13:04	08/02/22 23:31	1
o-Xylene	**0.0229**		0.00199		mg/Kg		08/01/22 13:04	08/02/22 23:31	1
Xylenes, Total	**0.0474**		0.00398		mg/Kg		08/01/22 13:04	08/02/22 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*08/01/22 13:04*	*08/02/22 23:31*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/01/22 13:04*	*08/02/22 23:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0634**		0.00398		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**61.6**		49.9		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/29/22 15:32	07/31/22 23:24	1
Diesel Range Organics (Over C10-C28)	**61.6**		49.9		mg/Kg		07/29/22 15:32	07/31/22 23:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-17507-3
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 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		07/29/22 15:32	07/31/22 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*07/29/22 15:32*	*07/31/22 23:24*	*1*
o-Terphenyl	*87*		*70 - 130*	*07/29/22 15:32*	*07/31/22 23:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**314**		5.04		mg/Kg			07/30/22 19:24	1

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-17507-4
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/01/22 13:04	08/02/22 23:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/01/22 13:04	08/02/22 23:51	1
Ethylbenzene	**0.00350**		0.00198		mg/Kg		08/01/22 13:04	08/02/22 23:51	1
m-Xylene & p-Xylene	**0.00748**		0.00396		mg/Kg		08/01/22 13:04	08/02/22 23:51	1
o-Xylene	**0.00768**		0.00198		mg/Kg		08/01/22 13:04	08/02/22 23:51	1
Xylenes, Total	**0.0152**		0.00396		mg/Kg		08/01/22 13:04	08/02/22 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*08/01/22 13:04*	*08/02/22 23:51*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/01/22 13:04*	*08/02/22 23:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0187**		0.00396		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/29/22 15:32	07/31/22 23:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 15:32	07/31/22 23:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 15:32	07/31/22 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*07/29/22 15:32*	*07/31/22 23:46*	*1*
o-Terphenyl	*91*		*70 - 130*	*07/29/22 15:32*	*07/31/22 23:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**346**		4.97		mg/Kg			07/30/22 19:32	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (4.5')

Lab Sample ID: 880-17507-5
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 00:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 00:12	1
Ethylbenzene	**0.00318**		0.00200		mg/Kg		08/01/22 13:04	08/03/22 00:12	1
m-Xylene & p-Xylene	**0.00683**		0.00399		mg/Kg		08/01/22 13:04	08/03/22 00:12	1
o-Xylene	**0.00441**		0.00200		mg/Kg		08/01/22 13:04	08/03/22 00:12	1
Xylenes, Total	**0.0112**		0.00399		mg/Kg		08/01/22 13:04	08/03/22 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*08/01/22 13:04*	*08/03/22 00:12*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*08/01/22 13:04*	*08/03/22 00:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0144**		0.00399		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**80.3**		50.0		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 00:07	1
Diesel Range Organics (Over C10-C28)	**80.3**		50.0		mg/Kg		07/29/22 15:32	08/01/22 00:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*07/29/22 15:32*	*08/01/22 00:07*	*1*
o-Terphenyl	*106*		*70 - 130*	*07/29/22 15:32*	*08/01/22 00:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**545**	**F1**	5.03		mg/Kg			07/30/22 19:39	1

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

Lab Sample ID: 880-17507-6
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 00:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 00:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 00:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 13:04	08/03/22 00:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 00:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 13:04	08/03/22 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*08/01/22 13:04*	*08/03/22 00:32*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*08/01/22 13:04*	*08/03/22 00:32*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

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

Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Lab Sample ID: 880-17507-6
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**258**		50.0		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 00:28	1
Diesel Range Organics (Over C10-C28)	**258**		50.0		mg/Kg		07/29/22 15:32	08/01/22 00:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*07/29/22 15:32*	*08/01/22 00:28*	*1*
o-Terphenyl	*109*		*70 - 130*	*07/29/22 15:32*	*08/01/22 00:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.6**		5.00		mg/Kg			07/30/22 20:03	1

Client Sample ID: S-2 (1.5')

Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Lab Sample ID: 880-17507-7
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 00:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 00:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 00:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 13:04	08/03/22 00:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 00:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 13:04	08/03/22 00:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*08/01/22 13:04*	*08/03/22 00:53*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/01/22 13:04*	*08/03/22 00:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 00:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 00:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17507-7
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 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		07/29/22 15:32	08/01/22 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*07/29/22 15:32*	*08/01/22 00:50*	*1*
o-Terphenyl	*110*		*70 - 130*	*07/29/22 15:32*	*08/01/22 00:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.1**		5.03		mg/Kg			07/30/22 20:11	1

Client Sample ID: S-2 (2.5')

Lab Sample ID: 880-17507-8
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:04	08/03/22 01:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:04	08/03/22 01:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:04	08/03/22 01:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/01/22 13:04	08/03/22 01:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:04	08/03/22 01:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/01/22 13:04	08/03/22 01:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*08/01/22 13:04*	*08/03/22 01:13*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/01/22 13:04*	*08/03/22 01:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 01:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 01:11	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*07/29/22 15:32*	*08/01/22 01:11*	*1*
o-Terphenyl	*104*		*70 - 130*	*07/29/22 15:32*	*08/01/22 01:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.7**		4.98		mg/Kg			07/30/22 20:34	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (3.5')

Lab Sample ID: 880-17507-9
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:04	08/03/22 01:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:04	08/03/22 01:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:04	08/03/22 01:34	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/01/22 13:04	08/03/22 01:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:04	08/03/22 01:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/01/22 13:04	08/03/22 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*08/01/22 13:04*	*08/03/22 01:34*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*08/01/22 13:04*	*08/03/22 01:34*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 01:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 01:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*07/29/22 15:32*	*08/01/22 01:53*	*1*
o-Terphenyl	*99*		*70 - 130*	*07/29/22 15:32*	*08/01/22 01:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.4**		5.05		mg/Kg			07/30/22 20:42	1

Client Sample ID: S-2 (4.5')

Lab Sample ID: 880-17507-10
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 01:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 01:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 01:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/01/22 13:04	08/03/22 01:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 01:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/01/22 13:04	08/03/22 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/01/22 13:04*	*08/03/22 01:54*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/01/22 13:04*	*08/03/22 01:54*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (4.5')

Lab Sample ID: 880-17507-10
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 02:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 02:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*07/29/22 15:32*	*08/01/22 02:14*	*1*
o-Terphenyl	*118*		*70 - 130*	*07/29/22 15:32*	*08/01/22 02:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.5**		5.02		mg/Kg			07/30/22 20:50	1

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

Lab Sample ID: 880-17507-11
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 03:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 03:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 03:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/01/22 13:04	08/03/22 03:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 03:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/01/22 13:04	08/03/22 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*08/01/22 13:04*	*08/03/22 03:38*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/01/22 13:04*	*08/03/22 03:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 02:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 02:35	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17507-11
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 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		07/29/22 15:32	08/01/22 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*07/29/22 15:32*	*08/01/22 02:35*	*1*
o-Terphenyl	*100*		*70 - 130*	*07/29/22 15:32*	*08/01/22 02:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.2**		5.00		mg/Kg			07/30/22 20:58	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-17507-12
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:04	08/03/22 03:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:04	08/03/22 03:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:04	08/03/22 03:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/01/22 13:04	08/03/22 03:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/01/22 13:04	08/03/22 03:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/01/22 13:04	08/03/22 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*08/01/22 13:04*	*08/03/22 03:58*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*08/01/22 13:04*	*08/03/22 03:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 02:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 02:56	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*07/29/22 15:32*	*08/01/22 02:56*	*1*
o-Terphenyl	*99*		*70 - 130*	*07/29/22 15:32*	*08/01/22 02:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.63**		4.99		mg/Kg			07/30/22 21:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17507-13
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 04:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 04:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 04:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/01/22 13:04	08/03/22 04:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/03/22 04:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/01/22 13:04	08/03/22 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*08/01/22 13:04*	*08/03/22 04:19*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/01/22 13:04*	*08/03/22 04:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 03:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 03:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*07/29/22 15:32*	*08/01/22 03:17*	*1*
o-Terphenyl	*113*		*70 - 130*	*07/29/22 15:32*	*08/01/22 03:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**263**		4.99		mg/Kg			07/30/22 21:14	1

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

Lab Sample ID: 880-17507-14
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 04:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 04:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 04:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 13:04	08/03/22 04:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 04:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 13:04	08/03/22 04:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*08/01/22 13:04*	*08/03/22 04:39*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/01/22 13:04*	*08/03/22 04:39*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17507-14
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 03:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 03:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*07/29/22 15:32*	*08/01/22 03:39*	*1*
o-Terphenyl	*104*		*70 - 130*	*07/29/22 15:32*	*08/01/22 03:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.7**		5.00		mg/Kg			07/30/22 21:21	1

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

Lab Sample ID: 880-17507-15
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 05:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 05:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 05:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/01/22 13:04	08/03/22 05:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/01/22 13:04	08/03/22 05:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/01/22 13:04	08/03/22 05:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*08/01/22 13:04*	*08/03/22 05:00*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/01/22 13:04*	*08/03/22 05:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 04:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 15:32	08/01/22 04:00	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17507-15
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 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		07/29/22 15:32	08/01/22 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*07/29/22 15:32*	*08/01/22 04:00*	*1*
o-Terphenyl	*89*		*70 - 130*	*07/29/22 15:32*	*08/01/22 04:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.84**		5.03		mg/Kg			08/03/22 07:51	1

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

Lab Sample ID: 880-17507-16
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:04	08/03/22 05:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:04	08/03/22 05:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:04	08/03/22 05:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/01/22 13:04	08/03/22 05:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/01/22 13:04	08/03/22 05:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/01/22 13:04	08/03/22 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*08/01/22 13:04*	*08/03/22 05:20*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/01/22 13:04*	*08/03/22 05:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/03/22 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/01/22 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 04:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 04:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 15:32	08/01/22 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*07/29/22 15:32*	*08/01/22 04:21*	*1*
o-Terphenyl	*99*		*70 - 130*	*07/29/22 15:32*	*08/01/22 04:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.86**		4.99		mg/Kg			08/03/22 08:14	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-17507-1	S-1 (0-1')	194 S1+	85
880-17507-2	S-1 (1.5')	120	99
880-17507-2 MS	S-1 (1.5')	106	96
880-17507-2 MSD	S-1 (1.5')	121	93
880-17507-3	S-1 (2.5')	126	96
880-17507-4	S-1 (3.5')	141 S1+	96
880-17507-5	S-1 (4.5')	123	99
880-17507-6	S-2 (0-1')	117	98
880-17507-7	S-2 (1.5')	97	82
880-17507-8	S-2 (2.5')	115	93
880-17507-9	S-2 (3.5')	116	92
880-17507-10	S-2 (4.5')	98	83
880-17507-11	S-3 (0-1')	94	80
880-17507-12	S-3 (1.5')	94	79
880-17507-13	H-1 (0-0.5')	113	97
880-17507-14	H-2 (0-0.5')	105	82
880-17507-15	H-3 (0-0.5')	100	82
880-17507-16	H-4 (0-0.5')	109	82
LCS 880-31191/1-A	Lab Control Sample	111	99
LCSD 880-31191/2-A	Lab Control Sample Dup	108	101
MB 880-31191/5-A	Method Blank	101	92
MB 880-31290/5-A	Method Blank	104	88

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)
880-17507-1	S-1 (0-1')	101	104
880-17507-2	S-1 (1.5')	81	93
880-17507-3	S-1 (2.5')	75	87
880-17507-4	S-1 (3.5')	77	91
880-17507-5	S-1 (4.5')	93	106
880-17507-6	S-2 (0-1')	99	109
880-17507-7	S-2 (1.5')	96	110
880-17507-8	S-2 (2.5')	90	104
880-17507-9	S-2 (3.5')	86	99
880-17507-10	S-2 (4.5')	108	118
880-17507-11	S-3 (0-1')	89	100
880-17507-12	S-3 (1.5')	88	99
880-17507-13	H-1 (0-0.5')	104	113
880-17507-14	H-2 (0-0.5')	93	104
880-17507-15	H-3 (0-0.5')	79	89
880-17507-16	H-4 (0-0.5')	88	99
880-17520-A-21-B MS	Matrix Spike	87	89

Surrogate Summary

Client: Carmona Resources Job ID: 880-17507-1
Project/Site: Wild Cap State Com 6H (07.06.22) SDG: Eddy Co, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-17520-A-21-C MSD	Matrix Spike Duplicate	83	87								
LCS 880-31028/2-A	Lab Control Sample	76	81								
LCSD 880-31028/3-A	Lab Control Sample Dup	73	77								
MB 880-31028/1-A	Method Blank	84	103								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-31191/5-A
Matrix: Solid
Analysis Batch: 31253

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/01/22 13:04	08/02/22 22:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/01/22 13:04*	*08/02/22 22:49*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*08/01/22 13:04*	*08/02/22 22:49*	*1*

Lab Sample ID: LCS 880-31191/1-A
Matrix: Solid
Analysis Batch: 31253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31191

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09689		mg/Kg		97	70 - 130		
Toluene			0.100	0.09493		mg/Kg		95	70 - 130		
Ethylbenzene			0.100	0.1034		mg/Kg		103	70 - 130		
m-Xylene & p-Xylene			0.200	0.2071		mg/Kg		104	70 - 130		
o-Xylene			0.100	0.1133		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-31191/2-A
Matrix: Solid
Analysis Batch: 31253

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31191

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09563		mg/Kg		96	70 - 130	1	35
Toluene			0.100	0.09513		mg/Kg		95	70 - 130	0	35
Ethylbenzene			0.100	0.09740		mg/Kg		97	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1979		mg/Kg		99	70 - 130	5	35
o-Xylene			0.100	0.1088		mg/Kg		109	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-17507-2 MS
Matrix: Solid
Analysis Batch: 31253

Client Sample ID: S-1 (1.5')
Prep Type: Total/NA
Prep Batch: 31191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.101	0.07249		mg/Kg		71	70 - 130		
Toluene	0.00324	F1	0.101	0.06985	F1	mg/Kg		66	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17507-2 MS — **Client Sample ID: S-1 (1.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31253 — **Prep Batch: 31191**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.00945	F1	0.101	0.06918	F1	mg/Kg		59	70 - 130
m-Xylene & p-Xylene	0.0177	F1	0.201	0.1343	F1	mg/Kg		58	70 - 130
o-Xylene	0.0129	F1	0.101	0.07930	F1	mg/Kg		66	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-17507-2 MSD — **Client Sample ID: S-1 (1.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31253 — **Prep Batch: 31191**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0998	0.07878		mg/Kg		78	70 - 130	8	35
Toluene	0.00324	F1	0.0998	0.08768		mg/Kg		85	70 - 130	23	35
Ethylbenzene	0.00945	F1	0.0998	0.08444		mg/Kg		75	70 - 130	20	35
m-Xylene & p-Xylene	0.0177	F1	0.200	0.1681		mg/Kg		75	70 - 130	22	35
o-Xylene	0.0129	F1	0.0998	0.1012		mg/Kg		88	70 - 130	24	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: MB 880-31290/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31253 — **Prep Batch: 31290**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/02/22 09:44	08/02/22 12:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*08/02/22 09:44*	*08/02/22 12:12*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*08/02/22 09:44*	*08/02/22 12:12*	*1*

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

Lab Sample ID: MB 880-31028/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31087 — **Prep Batch: 31028**

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		07/29/22 15:32	07/31/22 20:10	1

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-31028/1-A
Matrix: Solid
Analysis Batch: 31087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31028

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 15:32	07/31/22 20:10	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 15:32	07/31/22 20:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*07/29/22 15:32*	*07/31/22 20:10*	*1*
o-Terphenyl	*103*		*70 - 130*	*07/29/22 15:32*	*07/31/22 20:10*	*1*

Lab Sample ID: LCS 880-31028/2-A
Matrix: Solid
Analysis Batch: 31087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31028

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	883.1		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	795.1		mg/Kg		80	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*76*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: LCSD 880-31028/3-A
Matrix: Solid
Analysis Batch: 31087

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31028

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	898.4		mg/Kg		90	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	796.2		mg/Kg		80	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*73*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: 880-17520-A-21-B MS
Matrix: Solid
Analysis Batch: 31087

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 31028

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1003		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	823.0		mg/Kg		82	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17520-A-21-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31087 — **Prep Batch: 31028**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	981.3		mg/Kg		95	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	801.0		mg/Kg		80	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*87*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30997/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 31070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/30/22 17:26	1

Lab Sample ID: LCS 880-30997/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 31070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.8		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-30997/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 31070

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	260.2		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 880-17499-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 31070

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	276	F1	251	487.0	F1	mg/Kg		84	90 - 110

Lab Sample ID: 880-17499-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 31070

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	276	F1	251	494.0	F1	mg/Kg		87	90 - 110	1	20

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-17507-5 MS — **Client Sample ID: S-1 (4.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 31070

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	545	F1	252	755.5	F1	mg/Kg		84	90 - 110

Lab Sample ID: 880-17507-5 MSD — **Client Sample ID: S-1 (4.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 31070

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	545	F1	252	755.8	F1	mg/Kg		84	90 - 110	0	20

Lab Sample ID: MB 880-31001/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 31312

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/03/22 07:27	1

Lab Sample ID: LCS 880-31001/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 31312

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	269.0		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-31001/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 31312

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	272.1		mg/Kg		109	90 - 110	1	20

Lab Sample ID: 880-17507-15 MS — **Client Sample ID: H-3 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 31312

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	8.84		252	266.2		mg/Kg		102	90 - 110

Lab Sample ID: 880-17507-15 MSD — **Client Sample ID: H-3 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 31312

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	8.84		252	268.4		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-17508-A-9-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 31312

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7010		2510	9326		mg/Kg		92	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-17508-A-9-C MSD
Matrix: Solid
Analysis Batch: 31312

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	7010		2510	9319		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 31191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17507-1	S-1 (0-1')	Total/NA	Solid	5035	
880-17507-2	S-1 (1.5')	Total/NA	Solid	5035	
880-17507-3	S-1 (2.5')	Total/NA	Solid	5035	
880-17507-4	S-1 (3.5')	Total/NA	Solid	5035	
880-17507-5	S-1 (4.5')	Total/NA	Solid	5035	
880-17507-6	S-2 (0-1')	Total/NA	Solid	5035	
880-17507-7	S-2 (1.5')	Total/NA	Solid	5035	
880-17507-8	S-2 (2.5')	Total/NA	Solid	5035	
880-17507-9	S-2 (3.5')	Total/NA	Solid	5035	
880-17507-10	S-2 (4.5')	Total/NA	Solid	5035	
880-17507-11	S-3 (0-1')	Total/NA	Solid	5035	
880-17507-12	S-3 (1.5')	Total/NA	Solid	5035	
880-17507-13	H-1 (0-0.5')	Total/NA	Solid	5035	
880-17507-14	H-2 (0-0.5')	Total/NA	Solid	5035	
880-17507-15	H-3 (0-0.5')	Total/NA	Solid	5035	
880-17507-16	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-31191/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31191/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31191/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17507-2 MS	S-1 (1.5')	Total/NA	Solid	5035	
880-17507-2 MSD	S-1 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 31253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17507-1	S-1 (0-1')	Total/NA	Solid	8021B	31191
880-17507-2	S-1 (1.5')	Total/NA	Solid	8021B	31191
880-17507-3	S-1 (2.5')	Total/NA	Solid	8021B	31191
880-17507-4	S-1 (3.5')	Total/NA	Solid	8021B	31191
880-17507-5	S-1 (4.5')	Total/NA	Solid	8021B	31191
880-17507-6	S-2 (0-1')	Total/NA	Solid	8021B	31191
880-17507-7	S-2 (1.5')	Total/NA	Solid	8021B	31191
880-17507-8	S-2 (2.5')	Total/NA	Solid	8021B	31191
880-17507-9	S-2 (3.5')	Total/NA	Solid	8021B	31191
880-17507-10	S-2 (4.5')	Total/NA	Solid	8021B	31191
880-17507-11	S-3 (0-1')	Total/NA	Solid	8021B	31191
880-17507-12	S-3 (1.5')	Total/NA	Solid	8021B	31191
880-17507-13	H-1 (0-0.5')	Total/NA	Solid	8021B	31191
880-17507-14	H-2 (0-0.5')	Total/NA	Solid	8021B	31191
880-17507-15	H-3 (0-0.5')	Total/NA	Solid	8021B	31191
880-17507-16	H-4 (0-0.5')	Total/NA	Solid	8021B	31191
MB 880-31191/5-A	Method Blank	Total/NA	Solid	8021B	31191
MB 880-31290/5-A	Method Blank	Total/NA	Solid	8021B	31290
LCS 880-31191/1-A	Lab Control Sample	Total/NA	Solid	8021B	31191
LCSD 880-31191/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31191
880-17507-2 MS	S-1 (1.5')	Total/NA	Solid	8021B	31191
880-17507-2 MSD	S-1 (1.5')	Total/NA	Solid	8021B	31191

Prep Batch: 31290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31290/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 31386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17507-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-17507-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-17507-3	S-1 (2.5')	Total/NA	Solid	Total BTEX	
880-17507-4	S-1 (3.5')	Total/NA	Solid	Total BTEX	
880-17507-5	S-1 (4.5')	Total/NA	Solid	Total BTEX	
880-17507-6	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-17507-7	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-17507-8	S-2 (2.5')	Total/NA	Solid	Total BTEX	
880-17507-9	S-2 (3.5')	Total/NA	Solid	Total BTEX	
880-17507-10	S-2 (4.5')	Total/NA	Solid	Total BTEX	
880-17507-11	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-17507-12	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-17507-13	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17507-14	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17507-15	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17507-16	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 31028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17507-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-17507-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-17507-3	S-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-17507-4	S-1 (3.5')	Total/NA	Solid	8015NM Prep	
880-17507-5	S-1 (4.5')	Total/NA	Solid	8015NM Prep	
880-17507-6	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-17507-7	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-17507-8	S-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-17507-9	S-2 (3.5')	Total/NA	Solid	8015NM Prep	
880-17507-10	S-2 (4.5')	Total/NA	Solid	8015NM Prep	
880-17507-11	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-17507-12	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-17507-13	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17507-14	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17507-15	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17507-16	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-31028/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31028/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-17520-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-17520-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 31087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17507-1	S-1 (0-1')	Total/NA	Solid	8015B NM	31028
880-17507-2	S-1 (1.5')	Total/NA	Solid	8015B NM	31028
880-17507-3	S-1 (2.5')	Total/NA	Solid	8015B NM	31028
880-17507-4	S-1 (3.5')	Total/NA	Solid	8015B NM	31028
880-17507-5	S-1 (4.5')	Total/NA	Solid	8015B NM	31028
880-17507-6	S-2 (0-1')	Total/NA	Solid	8015B NM	31028

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 31087 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17507-7	S-2 (1.5')	Total/NA	Solid	8015B NM	31028
880-17507-8	S-2 (2.5')	Total/NA	Solid	8015B NM	31028
880-17507-9	S-2 (3.5')	Total/NA	Solid	8015B NM	31028
880-17507-10	S-2 (4.5')	Total/NA	Solid	8015B NM	31028
880-17507-11	S-3 (0-1')	Total/NA	Solid	8015B NM	31028
880-17507-12	S-3 (1.5')	Total/NA	Solid	8015B NM	31028
880-17507-13	H-1 (0-0.5')	Total/NA	Solid	8015B NM	31028
880-17507-14	H-2 (0-0.5')	Total/NA	Solid	8015B NM	31028
880-17507-15	H-3 (0-0.5')	Total/NA	Solid	8015B NM	31028
880-17507-16	H-4 (0-0.5')	Total/NA	Solid	8015B NM	31028
MB 880-31028/1-A	Method Blank	Total/NA	Solid	8015B NM	31028
LCS 880-31028/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31028
LCSD 880-31028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31028
880-17520-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	31028
880-17520-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	31028

Analysis Batch: 31161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17507-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-17507-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-17507-3	S-1 (2.5')	Total/NA	Solid	8015 NM	
880-17507-4	S-1 (3.5')	Total/NA	Solid	8015 NM	
880-17507-5	S-1 (4.5')	Total/NA	Solid	8015 NM	
880-17507-6	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-17507-7	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-17507-8	S-2 (2.5')	Total/NA	Solid	8015 NM	
880-17507-9	S-2 (3.5')	Total/NA	Solid	8015 NM	
880-17507-10	S-2 (4.5')	Total/NA	Solid	8015 NM	
880-17507-11	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-17507-12	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-17507-13	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-17507-14	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-17507-15	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-17507-16	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17507-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-17507-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-17507-3	S-1 (2.5')	Soluble	Solid	DI Leach	
880-17507-4	S-1 (3.5')	Soluble	Solid	DI Leach	
880-17507-5	S-1 (4.5')	Soluble	Solid	DI Leach	
880-17507-6	S-2 (0-1')	Soluble	Solid	DI Leach	
880-17507-7	S-2 (1.5')	Soluble	Solid	DI Leach	
880-17507-8	S-2 (2.5')	Soluble	Solid	DI Leach	
880-17507-9	S-2 (3.5')	Soluble	Solid	DI Leach	
880-17507-10	S-2 (4.5')	Soluble	Solid	DI Leach	
880-17507-11	S-3 (0-1')	Soluble	Solid	DI Leach	
880-17507-12	S-3 (1.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 30997 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17507-13	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-17507-14	H-2 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-30997/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30997/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30997/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17499-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17499-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-17507-5 MS	S-1 (4.5')	Soluble	Solid	DI Leach	
880-17507-5 MSD	S-1 (4.5')	Soluble	Solid	DI Leach	

Leach Batch: 31001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17507-15	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-17507-16	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-31001/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-31001/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-31001/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17507-15 MS	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-17507-15 MSD	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-17508-A-9-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17508-A-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 31070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17507-1	S-1 (0-1')	Soluble	Solid	300.0	30997
880-17507-2	S-1 (1.5')	Soluble	Solid	300.0	30997
880-17507-3	S-1 (2.5')	Soluble	Solid	300.0	30997
880-17507-4	S-1 (3.5')	Soluble	Solid	300.0	30997
880-17507-5	S-1 (4.5')	Soluble	Solid	300.0	30997
880-17507-6	S-2 (0-1')	Soluble	Solid	300.0	30997
880-17507-7	S-2 (1.5')	Soluble	Solid	300.0	30997
880-17507-8	S-2 (2.5')	Soluble	Solid	300.0	30997
880-17507-9	S-2 (3.5')	Soluble	Solid	300.0	30997
880-17507-10	S-2 (4.5')	Soluble	Solid	300.0	30997
880-17507-11	S-3 (0-1')	Soluble	Solid	300.0	30997
880-17507-12	S-3 (1.5')	Soluble	Solid	300.0	30997
880-17507-13	H-1 (0-0.5')	Soluble	Solid	300.0	30997
880-17507-14	H-2 (0-0.5')	Soluble	Solid	300.0	30997
MB 880-30997/1-A	Method Blank	Soluble	Solid	300.0	30997
LCS 880-30997/2-A	Lab Control Sample	Soluble	Solid	300.0	30997
LCSD 880-30997/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30997
880-17499-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	30997
880-17499-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30997
880-17507-5 MS	S-1 (4.5')	Soluble	Solid	300.0	30997
880-17507-5 MSD	S-1 (4.5')	Soluble	Solid	300.0	30997

Analysis Batch: 31312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17507-15	H-3 (0-0.5')	Soluble	Solid	300.0	31001
880-17507-16	H-4 (0-0.5')	Soluble	Solid	300.0	31001
MB 880-31001/1-A	Method Blank	Soluble	Solid	300.0	31001

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 31312 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-31001/2-A	Lab Control Sample	Soluble	Solid	300.0	31001
LCSD 880-31001/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	31001
880-17507-15 MS	H-3 (0-0.5')	Soluble	Solid	300.0	31001
880-17507-15 MSD	H-3 (0-0.5')	Soluble	Solid	300.0	31001
880-17508-A-9-B MS	Matrix Spike	Soluble	Solid	300.0	31001
880-17508-A-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	31001

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17507-1
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	31253	08/03/22 02:15	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		5			31087	08/01/22 05:03	SM	EETSC MID
Soluble	Leach	DI Leach			4.95 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		10			31070	07/30/22 19:08	SMC	EETSC MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17507-2
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/02/22 23:10	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	07/31/22 23:03	SM	EETSC MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		1			31070	07/30/22 19:16	SMC	EETSC MID

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-17507-3
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/02/22 23:31	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	07/31/22 23:24	SM	EETSC MID
Soluble	Leach	DI Leach			4.96 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		1			31070	07/30/22 19:24	SMC	EETSC MID

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-17507-4
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/02/22 23:51	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-17507-4
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	07/31/22 23:46	SM	EETSC MID
Soluble	Leach	DI Leach			5.03 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		1			31070	07/30/22 19:32	SMC	EETSC MID

Client Sample ID: S-1 (4.5')

Lab Sample ID: 880-17507-5
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 00:12	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	08/01/22 00:07	SM	EETSC MID
Soluble	Leach	DI Leach			4.97 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		1			31070	07/30/22 19:39	SMC	EETSC MID

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

Lab Sample ID: 880-17507-6
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 00:32	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	08/01/22 00:28	SM	EETSC MID
Soluble	Leach	DI Leach			5 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		1			31070	07/30/22 20:03	SMC	EETSC MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17507-7
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 00:53	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	08/01/22 00:50	SM	EETSC MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17507-7
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		1			31070	07/30/22 20:11	SMC	EETSC MID

Client Sample ID: S-2 (2.5')

Lab Sample ID: 880-17507-8
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 01:13	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	08/01/22 01:11	SM	EETSC MID
Soluble	Leach	DI Leach			5.02 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		1			31070	07/30/22 20:34	SMC	EETSC MID

Client Sample ID: S-2 (3.5')

Lab Sample ID: 880-17507-9
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 01:34	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	08/01/22 01:53	SM	EETSC MID
Soluble	Leach	DI Leach			4.95 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		1			31070	07/30/22 20:42	SMC	EETSC MID

Client Sample ID: S-2 (4.5')

Lab Sample ID: 880-17507-10
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 01:54	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	08/01/22 02:14	SM	EETSC MID
Soluble	Leach	DI Leach			4.98 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		1			31070	07/30/22 20:50	SMC	EETSC MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17507-11
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 03:38	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	08/01/22 02:35	SM	EETSC MID
Soluble	Leach	DI Leach			5 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		1			31070	07/30/22 20:58	SMC	EETSC MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-17507-12
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 03:58	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	08/01/22 02:56	SM	EETSC MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		1			31070	07/30/22 21:06	SMC	EETSC MID

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

Lab Sample ID: 880-17507-13
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 04:19	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	08/01/22 03:17	SM	EETSC MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		1			31070	07/30/22 21:14	SMC	EETSC MID

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

Lab Sample ID: 880-17507-14
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 04:39	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17507-14
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	08/01/22 03:39	SM	EETSC MID
Soluble	Leach	DI Leach			5 g	50 mL	30997	07/29/22 11:32	SMC	EETSC MID
Soluble	Analysis	300.0		1			31070	07/30/22 21:21	SMC	EETSC MID

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

Lab Sample ID: 880-17507-15
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 05:00	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	08/01/22 04:00	SM	EETSC MID
Soluble	Leach	DI Leach			4.97 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MID
Soluble	Analysis	300.0		1			31312	08/03/22 07:51	CH	EETSC MID

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

Lab Sample ID: 880-17507-16
Matrix: Solid
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 09:50

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	31191	08/01/22 13:04	MR	EETSC MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/03/22 05:20	MR	EETSC MID
Total/NA	Analysis	Total BTEX		1			31386	08/03/22 09:19	SM	EETSC MID
Total/NA	Analysis	8015 NM		1			31161	08/01/22 09:24	SM	EETSC MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31028	07/29/22 15:32	DM	EETSC MID
Total/NA	Analysis	8015B NM		1			31087	08/01/22 04:21	SM	EETSC MID
Soluble	Leach	DI Leach			5.01 g	50 mL	31001	07/29/22 11:35	SMC	EETSC MID
Soluble	Analysis	300.0		1			31312	08/03/22 08:14	CH	EETSC MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	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 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

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

EETSC 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 6H (07.06.22)

Job ID: 880-17507-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-17507-1	S-1 (0-1')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-2	S-1 (1.5')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-3	S-1 (2.5')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-4	S-1 (3.5')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-5	S-1 (4.5')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-6	S-2 (0-1')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-7	S-2 (1.5')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-8	S-2 (2.5')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-9	S-2 (3.5')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-10	S-2 (4.5')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-11	S-3 (0-1')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-12	S-3 (1.5')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-13	H-1 (0-0.5')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-14	H-2 (0-0.5')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-15	H-3 (0-0.5')	Solid	07/28/22 00:00	07/29/22 09:50
880-17507-16	H-4 (0-0.5')	Solid	07/28/22 00:00	07/29/22 09:50

Work Order No: 17507

Project Manager	Ashton Thielke	Bill to (if different)	Jacqui Harris
Company Name.	Carmona Resources	Company Name.	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving,NM 88256
Phone	432-813-5347	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 6H (07 06 22)	Turn Around	
Project Number	1108	☐ Routine	☑ Rush
Project Location	Eddy Co, NM	Due Date	72 Hr
Sampler's Name	AT	TAT starts the day received by the lab if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank.	Yes (No)	Wet Ice: (Yes) No
Received Intact.	(Yes) No	Thermometer ID	IR#9
Cooler Custody Seals	Yes No (N/A)	Correction Factor	-.20
Sample Custody Seals	Yes No (N/A)	Temperature Reading	1.3
Total Containers.		Corrected Temperature	1.5

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
S-1 (0-1')	7/28/2022		X		G	1		X	X	X	
S-1 (1 5')	7/28/2022		X		G	1		X	X	X	
S-1 (2 5')	7/28/2022		X		G	1		X	X	X	
S-1 (3 5')	7/28/2022		X		G	1		X	X	X	
S-1 (4 5')	7/28/2022		X		G	1		X	X	X	
S-2 (0-1')	7/28/2022		X		G	1		X	X	X	
S-2 (1 5')	7/28/2022		X		G	1		X	X	X	
S-2 (2 5')	7/28/2022		X		G	1		X	X	X	
S-2 (3 5')	7/28/2022		X		G	1		X	X	X	
S-2 (4 5')	7/28/2022		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

880-17507 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	7/29/22 0950		

Work Order No: 17507

Project Manager	Ashton Thielke	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving,NM 88256
Phone	432-813-5347	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 6H (07 06 22)	Turn Around	
Project Number	1108	☐ Routine ☑ Rush	
Project Location	Eddy Co, NM	Due Date	72 Hr
Sampler's Name	AT	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
S-3 (0-1')	7/28/2022		X		G	1	X	X	X	
S-3 (1 5')	7/28/2022		X		G	1	X	X	X	
H-1 (0-0 5')	7/28/2022		X		G	1	X	X	X	
H-2 (0-0 5')	7/28/2022		X		G	1	X	X	X	
H-3 (0-0 5')	7/28/2022		X		G	1	X	X	X	
H-4 (0-0 5')	7/28/2022		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

Loc: 880
17507

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	7/29/22 0950		

8/4/2022

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-17507-1
SDG Number: Eddy Co, NM

Login Number: 17507
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 America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-19603-1
Laboratory Sample Delivery Group: Eddy Co., NM
Client Project/Site: Wild Cap State Com 6H (07.06.22)

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

Attn: Conner Moehring

JKramer

Authorized for release by:
9/27/2022 10:38:21 AM

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

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

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

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Laboratory Job ID: 880-19603-1
SDG: Eddy Co., NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

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.
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
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 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Job ID: 880-19603-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19603-1

Receipt
The samples were received on 9/23/2022 4:36 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 3.4°C

Receipt Exceptions
Did not received sample #28, COC states SW-2 (1.5') Samples placed on HOLD
SW-8 (1.5') (880-19603-28)

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-35336/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-19603-A-1-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-35346/1-A) and (LCSD 880-35346/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-19603-A-22-B MS) and (880-19603-A-22-C MSD). 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: SW-2 (1.5') (880-19603-22), SW-3 (1.5') (880-19603-23), SW-4 (3') (880-19603-24), SW-5 (3') (880-19603-25), SW-6 (3') (880-19603-26) and SW-7 (1.5') (880-19603-27). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: LCSD biased high. Since only an acceptable LCS is required per the method, the data has been qualified and reported. (LCSD 880-35346/2-A)

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-35346 and analytical batch 880-35345 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-17 (1.5') (880-19603-17). 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: CS-19 (1.5') (880-19603-19). 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 880-35335 and analytical batch 880-35348 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-35308/2-A) and (LCSD 880-35308/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-4 (3') (880-19603-24). Evidence of

Case Narrative

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Job ID: 880-19603-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-19603-1
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/25/22 12:27	09/26/22 01:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/25/22 12:27	09/26/22 01:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/25/22 12:27	09/26/22 01:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/25/22 12:27	09/26/22 01:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/25/22 12:27	09/26/22 01:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/25/22 12:27	09/26/22 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*09/25/22 12:27*	*09/26/22 01:30*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*09/25/22 12:27*	*09/26/22 01:30*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 11:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 11:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*09/23/22 17:22*	*09/24/22 11:55*	*1*
o-Terphenyl	*83*		*70 - 130*	*09/23/22 17:22*	*09/24/22 11:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.8**		5.04		mg/Kg			09/26/22 13:47	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-19603-2
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 01:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 01:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 01:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/25/22 12:27	09/26/22 01:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 01:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/25/22 12:27	09/26/22 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*09/25/22 12:27*	*09/26/22 01:50*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*09/25/22 12:27*	*09/26/22 01:50*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-19603-2
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 12:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 12:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*09/23/22 17:22*	*09/24/22 12:59*	*1*
o-Terphenyl	*83*		*70 - 130*	*09/23/22 17:22*	*09/24/22 12:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.1**		5.02		mg/Kg			09/26/22 13:52	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-19603-3
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/25/22 12:27	09/26/22 02:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/25/22 12:27	09/26/22 02:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/25/22 12:27	09/26/22 02:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/25/22 12:27	09/26/22 02:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/25/22 12:27	09/26/22 02:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/25/22 12:27	09/26/22 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*09/25/22 12:27*	*09/26/22 02:10*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*09/25/22 12:27*	*09/26/22 02:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 13:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 13:20	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-19603-3
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 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		09/23/22 17:22	09/24/22 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*09/23/22 17:22*	*09/24/22 13:20*	*1*
o-Terphenyl	*87*		*70 - 130*	*09/23/22 17:22*	*09/24/22 13:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.9**		5.00		mg/Kg			09/26/22 13:57	1

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-19603-4
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/25/22 12:27	09/26/22 02:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/25/22 12:27	09/26/22 02:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/25/22 12:27	09/26/22 02:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/25/22 12:27	09/26/22 02:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/25/22 12:27	09/26/22 02:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/25/22 12:27	09/26/22 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*09/25/22 12:27*	*09/26/22 02:31*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/25/22 12:27*	*09/26/22 02:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 13:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 13:42	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*09/23/22 17:22*	*09/24/22 13:42*	*1*
o-Terphenyl	*87*		*70 - 130*	*09/23/22 17:22*	*09/24/22 13:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.5**		5.02		mg/Kg			09/26/22 14:01	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-19603-5
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 02:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 02:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 02:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/25/22 12:27	09/26/22 02:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 02:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/25/22 12:27	09/26/22 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*09/25/22 12:27*	*09/26/22 02:51*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*09/25/22 12:27*	*09/26/22 02:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 14:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 14:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*09/23/22 17:22*	*09/24/22 14:03*	*1*
o-Terphenyl	*85*		*70 - 130*	*09/23/22 17:22*	*09/24/22 14:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			09/26/22 14:06	1

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-19603-6
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/25/22 12:27	09/26/22 03:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/25/22 12:27	09/26/22 03:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/25/22 12:27	09/26/22 03:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/25/22 12:27	09/26/22 03:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/25/22 12:27	09/26/22 03:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/25/22 12:27	09/26/22 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*09/25/22 12:27*	*09/26/22 03:12*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*09/25/22 12:27*	*09/26/22 03:12*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-19603-6
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 14:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 14:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*09/23/22 17:22*	*09/24/22 14:24*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/23/22 17:22*	*09/24/22 14:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.8**		5.00		mg/Kg			09/26/22 14:11	1

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-19603-7
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/25/22 12:27	09/26/22 03:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/25/22 12:27	09/26/22 03:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/25/22 12:27	09/26/22 03:32	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/25/22 12:27	09/26/22 03:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/25/22 12:27	09/26/22 03:32	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/25/22 12:27	09/26/22 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*09/25/22 12:27*	*09/26/22 03:32*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*09/25/22 12:27*	*09/26/22 03:32*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 14:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 14:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-19603-7
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 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		09/23/22 17:22	09/24/22 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*09/23/22 17:22*	*09/24/22 14:45*	*1*
o-Terphenyl	*87*		*70 - 130*	*09/23/22 17:22*	*09/24/22 14:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.0**		4.99		mg/Kg			09/26/22 14:26	1

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-19603-8
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 03:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 03:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 03:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/25/22 12:27	09/26/22 03:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 03:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/25/22 12:27	09/26/22 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*09/25/22 12:27*	*09/26/22 03:53*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*09/25/22 12:27*	*09/26/22 03:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 15:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 15:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*09/23/22 17:22*	*09/24/22 15:06*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/23/22 17:22*	*09/24/22 15:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.9**		4.96		mg/Kg			09/26/22 14:31	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-19603-9
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/25/22 12:27	09/26/22 04:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/25/22 12:27	09/26/22 04:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/25/22 12:27	09/26/22 04:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/25/22 12:27	09/26/22 04:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/25/22 12:27	09/26/22 04:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/25/22 12:27	09/26/22 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*09/25/22 12:27*	*09/26/22 04:13*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*09/25/22 12:27*	*09/26/22 04:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 15:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 15:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/23/22 17:22*	*09/24/22 15:27*	*1*
o-Terphenyl	*96*		*70 - 130*	*09/23/22 17:22*	*09/24/22 15:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.8**		5.03		mg/Kg			09/26/22 14:45	1

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-19603-10
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:27	09/26/22 04:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:27	09/26/22 04:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:27	09/26/22 04:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/25/22 12:27	09/26/22 04:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/25/22 12:27	09/26/22 04:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/25/22 12:27	09/26/22 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*09/25/22 12:27*	*09/26/22 04:33*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*09/25/22 12:27*	*09/26/22 04:33*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-10 (1.5')

Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-10

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 15:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 15:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*09/23/22 17:22*	*09/24/22 15:48*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/23/22 17:22*	*09/24/22 15:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		5.05		mg/Kg			09/26/22 14:50	1

Client Sample ID: CS-11 (1.5')

Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-11

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/26/22 09:51	09/26/22 12:24	1
Toluene	**0.00397**		0.00201		mg/Kg		09/26/22 09:51	09/26/22 12:24	1
Ethylbenzene	**0.00425**		0.00201		mg/Kg		09/26/22 09:51	09/26/22 12:24	1
m-Xylene & p-Xylene	**0.0104**		0.00402		mg/Kg		09/26/22 09:51	09/26/22 12:24	1
o-Xylene	**0.00695**		0.00201		mg/Kg		09/26/22 09:51	09/26/22 12:24	1
Xylenes, Total	**0.0174**		0.00402		mg/Kg		09/26/22 09:51	09/26/22 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*09/26/22 09:51*	*09/26/22 12:24*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*09/26/22 09:51*	*09/26/22 12:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0256**		0.00402		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**95.0**		49.8		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 16:32	1
Diesel Range Organics (Over C10-C28)	**95.0**		49.8		mg/Kg		09/23/22 17:22	09/24/22 16:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-19603-11
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 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		09/23/22 17:22	09/24/22 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*09/23/22 17:22*	*09/24/22 16:32*	*1*
o-Terphenyl	*87*		*70 - 130*	*09/23/22 17:22*	*09/24/22 16:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.69**		5.02		mg/Kg			09/26/22 14:55	1

Client Sample ID: CS-12 (1.5')

Lab Sample ID: 880-19603-12
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 12:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 12:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 12:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/22 09:51	09/26/22 12:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 12:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/22 09:51	09/26/22 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/26/22 09:51*	*09/26/22 12:44*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*09/26/22 09:51*	*09/26/22 12:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 16:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 16:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/23/22 17:22*	*09/24/22 16:54*	*1*
o-Terphenyl	*93*		*70 - 130*	*09/23/22 17:22*	*09/24/22 16:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.8**		4.99		mg/Kg			09/26/22 15:00	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-13 (1.5')

Lab Sample ID: 880-19603-13
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/26/22 09:51	09/26/22 13:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 09:51	09/26/22 13:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/22 09:51	09/26/22 13:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/22 09:51	09/26/22 13:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/22 09:51	09/26/22 13:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/22 09:51	09/26/22 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/26/22 09:51*	*09/26/22 13:05*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*09/26/22 09:51*	*09/26/22 13:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 17:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 17:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*09/23/22 17:22*	*09/24/22 17:16*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/23/22 17:22*	*09/24/22 17:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.4**		4.98		mg/Kg			09/26/22 15:05	1

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-19603-14
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/26/22 09:51	09/26/22 13:26	1
Toluene	**0.00209**		0.00201		mg/Kg		09/26/22 09:51	09/26/22 13:26	1
Ethylbenzene	**0.00214**		0.00201		mg/Kg		09/26/22 09:51	09/26/22 13:26	1
m-Xylene & p-Xylene	**0.00491**		0.00402		mg/Kg		09/26/22 09:51	09/26/22 13:26	1
o-Xylene	**0.00603**		0.00201		mg/Kg		09/26/22 09:51	09/26/22 13:26	1
Xylenes, Total	**0.0109**		0.00402		mg/Kg		09/26/22 09:51	09/26/22 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/26/22 09:51*	*09/26/22 13:26*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*09/26/22 09:51*	*09/26/22 13:26*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-19603-14
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0152**		0.00402		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 17:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 17:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/23/22 17:22*	*09/24/22 17:38*	*1*
o-Terphenyl	*95*		*70 - 130*	*09/23/22 17:22*	*09/24/22 17:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.9**		5.00		mg/Kg			09/26/22 15:10	1

Client Sample ID: CS-15 (1.5')

Lab Sample ID: 880-19603-15
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 13:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 13:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 13:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/26/22 09:51	09/26/22 13:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 13:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/26/22 09:51	09/26/22 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*09/26/22 09:51*	*09/26/22 13:46*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*09/26/22 09:51*	*09/26/22 13:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 18:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/23/22 17:22	09/24/22 18:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-15 (1.5')

Lab Sample ID: 880-19603-15
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 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		09/23/22 17:22	09/24/22 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*09/23/22 17:22*	*09/24/22 18:00*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/23/22 17:22*	*09/24/22 18:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.9**		5.02		mg/Kg			09/26/22 15:15	1

Client Sample ID: CS-16 (1.5')

Lab Sample ID: 880-19603-16
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/26/22 09:51	09/26/22 14:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 09:51	09/26/22 14:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/22 09:51	09/26/22 14:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/22 09:51	09/26/22 14:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/22 09:51	09/26/22 14:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/22 09:51	09/26/22 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/26/22 09:51*	*09/26/22 14:07*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*09/26/22 09:51*	*09/26/22 14:07*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 18:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 18:23	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*09/23/22 17:22*	*09/24/22 18:23*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/23/22 17:22*	*09/24/22 18:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.7**		5.05		mg/Kg			09/27/22 00:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-17 (1.5')

Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-17

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/26/22 09:51	09/26/22 14:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 09:51	09/26/22 14:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/22 09:51	09/26/22 14:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/22 09:51	09/26/22 14:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/22 09:51	09/26/22 14:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/22 09:51	09/26/22 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/26/22 09:51*	*09/26/22 14:27*	*1*
1,4-Difluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*09/26/22 09:51*	*09/26/22 14:27*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 18:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 18:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/23/22 17:22*	*09/24/22 18:45*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/23/22 17:22*	*09/24/22 18:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.9**		4.98		mg/Kg			09/27/22 00:36	1

Client Sample ID: CS-18 (1.5')

Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-18

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/26/22 09:51	09/26/22 14:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/22 09:51	09/26/22 14:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/26/22 09:51	09/26/22 14:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/26/22 09:51	09/26/22 14:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/26/22 09:51	09/26/22 14:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/26/22 09:51	09/26/22 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/26/22 09:51*	*09/26/22 14:48*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*09/26/22 09:51*	*09/26/22 14:48*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-18 (1.5')

Lab Sample ID: 880-19603-18
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 19:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 19:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*09/23/22 17:22*	*09/24/22 19:08*	*1*
o-Terphenyl	*86*		*70 - 130*	*09/23/22 17:22*	*09/24/22 19:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.70**		4.98		mg/Kg			09/27/22 00:41	1

Client Sample ID: CS-19 (1.5')

Lab Sample ID: 880-19603-19
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 15:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 15:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 15:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/26/22 09:51	09/26/22 15:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 15:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/26/22 09:51	09/26/22 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/26/22 09:51*	*09/26/22 15:08*	*1*
1,4-Difluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*09/26/22 09:51*	*09/26/22 15:08*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 19:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/23/22 17:22	09/24/22 19:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-19 (1.5')

Lab Sample ID: 880-19603-19
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 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		09/23/22 17:22	09/24/22 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/23/22 17:22*	*09/24/22 19:30*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/23/22 17:22*	*09/24/22 19:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.4**		5.02		mg/Kg			09/27/22 00:46	1

Client Sample ID: CS-20 (1.5')

Lab Sample ID: 880-19603-20
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 15:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 15:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 15:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/22 09:51	09/26/22 15:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 15:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/22 09:51	09/26/22 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/26/22 09:51*	*09/26/22 15:29*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*09/26/22 09:51*	*09/26/22 15:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 19:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*09/23/22 17:22*	*09/24/22 19:52*	*1*
o-Terphenyl	*84*		*70 - 130*	*09/23/22 17:22*	*09/24/22 19:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.1**		5.05		mg/Kg			09/27/22 00:51	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-19603-21
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 12:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 12:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 12:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/25/22 12:23	09/26/22 12:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 12:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/25/22 12:23	09/26/22 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/25/22 12:23*	*09/26/22 12:41*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*09/25/22 12:23*	*09/26/22 12:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/26/22 08:27	09/26/22 16:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/22 08:27	09/26/22 16:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/22 08:27	09/26/22 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*09/26/22 08:27*	*09/26/22 16:54*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/26/22 08:27*	*09/26/22 16:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.3**		5.04		mg/Kg			09/27/22 01:06	1

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-19603-22
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/26/22 08:15	09/26/22 11:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/22 08:15	09/26/22 11:10	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		09/26/22 08:15	09/26/22 11:10	1
m-Xylene & p-Xylene	<0.00402	U *+ F1	0.00402		mg/Kg		09/26/22 08:15	09/26/22 11:10	1
o-Xylene	<0.00201	U *+ F1	0.00201		mg/Kg		09/26/22 08:15	09/26/22 11:10	1
Xylenes, Total	<0.00402	U *+ F1	0.00402		mg/Kg		09/26/22 08:15	09/26/22 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*164*	*S1+*	*70 - 130*	*09/26/22 08:15*	*09/26/22 11:10*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*09/26/22 08:15*	*09/26/22 11:10*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-19603-22
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 17:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 17:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*09/26/22 08:27*	*09/26/22 17:15*	*1*
o-Terphenyl	*125*		*70 - 130*	*09/26/22 08:27*	*09/26/22 17:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.4**		5.04		mg/Kg			09/27/22 01:10	1

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-19603-23
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/26/22 08:15	09/26/22 11:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/22 08:15	09/26/22 11:31	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		09/26/22 08:15	09/26/22 11:31	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		09/26/22 08:15	09/26/22 11:31	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		09/26/22 08:15	09/26/22 11:31	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		09/26/22 08:15	09/26/22 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*164*	*S1+*	*70 - 130*	*09/26/22 08:15*	*09/26/22 11:31*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*09/26/22 08:15*	*09/26/22 11:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 17:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 17:36	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-19603-23
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 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		09/26/22 08:27	09/26/22 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*09/26/22 08:27*	*09/26/22 17:36*	*1*
o-Terphenyl	*108*		*70 - 130*	*09/26/22 08:27*	*09/26/22 17:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.0**		4.99		mg/Kg			09/27/22 01:15	1

Client Sample ID: SW-4 (3')

Lab Sample ID: 880-19603-24
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/26/22 08:15	09/26/22 11:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/22 08:15	09/26/22 11:52	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		09/26/22 08:15	09/26/22 11:52	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		09/26/22 08:15	09/26/22 11:52	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		09/26/22 08:15	09/26/22 11:52	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		09/26/22 08:15	09/26/22 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*09/26/22 08:15*	*09/26/22 11:52*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*09/26/22 08:15*	*09/26/22 11:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.4**		50.0		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 17:58	1
Diesel Range Organics (Over C10-C28)	**55.4**		50.0		mg/Kg		09/26/22 08:27	09/26/22 17:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*09/26/22 08:27*	*09/26/22 17:58*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*09/26/22 08:27*	*09/26/22 17:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.6**		4.96		mg/Kg			09/27/22 01:20	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: SW-5 (3')

Lab Sample ID: 880-19603-25
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/26/22 08:15	09/26/22 12:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/26/22 08:15	09/26/22 12:13	1
Ethylbenzene	<0.00202	U *+	0.00202		mg/Kg		09/26/22 08:15	09/26/22 12:13	1
m-Xylene & p-Xylene	<0.00403	U *+	0.00403		mg/Kg		09/26/22 08:15	09/26/22 12:13	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		09/26/22 08:15	09/26/22 12:13	1
Xylenes, Total	<0.00403	U *+	0.00403		mg/Kg		09/26/22 08:15	09/26/22 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*09/26/22 08:15*	*09/26/22 12:13*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/26/22 08:15*	*09/26/22 12:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/26/22 08:27	09/26/22 18:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/22 08:27	09/26/22 18:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/22 08:27	09/26/22 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/26/22 08:27*	*09/26/22 18:19*	*1*
o-Terphenyl	*94*		*70 - 130*	*09/26/22 08:27*	*09/26/22 18:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.3**		4.99		mg/Kg			09/27/22 01:25	1

Client Sample ID: SW-6 (3')

Lab Sample ID: 880-19603-26
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 12:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 12:33	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		09/26/22 08:15	09/26/22 12:33	1
m-Xylene & p-Xylene	<0.00400	U *+	0.00400		mg/Kg		09/26/22 08:15	09/26/22 12:33	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		09/26/22 08:15	09/26/22 12:33	1
Xylenes, Total	<0.00400	U *+	0.00400		mg/Kg		09/26/22 08:15	09/26/22 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*09/26/22 08:15*	*09/26/22 12:33*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*09/26/22 08:15*	*09/26/22 12:33*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: SW-6 (3')

Lab Sample ID: 880-19603-26
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 18:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 18:41	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*09/26/22 08:27*	*09/26/22 18:41*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/26/22 08:27*	*09/26/22 18:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.1**		5.01		mg/Kg			09/27/22 01:30	1

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-19603-27
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/26/22 08:15	09/26/22 12:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/22 08:15	09/26/22 12:54	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		09/26/22 08:15	09/26/22 12:54	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		09/26/22 08:15	09/26/22 12:54	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		09/26/22 08:15	09/26/22 12:54	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		09/26/22 08:15	09/26/22 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*171*	*S1+*	*70 - 130*	*09/26/22 08:15*	*09/26/22 12:54*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*09/26/22 08:15*	*09/26/22 12:54*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/26/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/26/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 19:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 19:02	1

Client Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: SW-7 (1.5')
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-27
Matrix: Solid

Method: 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		09/26/22 08:27	09/26/22 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*09/26/22 08:27*	*09/26/22 19:02*	*1*
o-Terphenyl	*126*		*70 - 130*	*09/26/22 08:27*	*09/26/22 19:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**98.6**		4.98		mg/Kg			09/27/22 01:44	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-19603-1	CS-1 (1.5')	106	75										
880-19603-1 MS	CS-1 (1.5')	134 S1+	104										
880-19603-1 MSD	CS-1 (1.5')	129	105										
880-19603-2	CS-2 (1.5')	114	81										
880-19603-3	CS-3 (1.5')	116	84										
880-19603-4	CS-4 (1.5')	123	105										
880-19603-5	CS-5 (1.5')	127	111										
880-19603-6	CS-6 (1.5')	114	83										
880-19603-7	CS-7 (1.5')	117	75										
880-19603-8	CS-8 (1.5')	100	72										
880-19603-9	CS-9 (1.5')	115	88										
880-19603-10	CS-10 (1.5')	130	121										
880-19603-11	CS-11 (1.5')	119	87										
880-19603-11 MS	CS-11 (1.5')	121	105										
880-19603-11 MSD	CS-11 (1.5')	112	107										
880-19603-12	CS-12 (1.5')	96	90										
880-19603-13	CS-13 (1.5')	108	76										
880-19603-14	CS-14 (1.5')	96	120										
880-19603-15	CS-15 (1.5')	91	81										
880-19603-16	CS-16 (1.5')	96	84										
880-19603-17	CS-17 (1.5')	92	66 S1-										
880-19603-18	CS-18 (1.5')	108	72										
880-19603-19	CS-19 (1.5')	96	66 S1-										
880-19603-20	CS-20 (1.5')	101	72										
880-19603-21	SW-1 (1.5')	104	107										
880-19603-22	SW-2 (1.5')	164 S1+	121										
880-19603-22 MS	SW-2 (1.5')	146 S1+	115										
880-19603-22 MSD	SW-2 (1.5')	177 S1+	127										
880-19603-23	SW-3 (1.5')	164 S1+	112										
880-19603-24	SW-4 (3')	144 S1+	111										
880-19603-25	SW-5 (3')	140 S1+	104										
880-19603-26	SW-6 (3')	152 S1+	115										
880-19603-27	SW-7 (1.5')	171 S1+	120										
890-2953-A-53-D MS	Matrix Spike	87	109										
890-2953-A-53-E MSD	Matrix Spike Duplicate	90	111										
LCS 880-35335/1-A	Lab Control Sample	81	106										
LCS 880-35336/1-A	Lab Control Sample	119	106										
LCS 880-35346/1-A	Lab Control Sample	142 S1+	113										
LCS 880-35366/1-A	Lab Control Sample	54 S1-	107										
LCSD 880-35335/2-A	Lab Control Sample Dup	82	110										
LCSD 880-35336/2-A	Lab Control Sample Dup	132 S1+	105										
LCSD 880-35346/2-A	Lab Control Sample Dup	185 S1+	122										
LCSD 880-35366/2-A	Lab Control Sample Dup	113	102										
MB 880-35283/5-A	Method Blank	104	88										
MB 880-35335/5-A	Method Blank	104	114										
MB 880-35336/5-A	Method Blank	108	86										
MB 880-35346/5-A	Method Blank	117	90										
MB 880-35366/5-A	Method Blank	103	90										

Surrogate Legend

Surrogate Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

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)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-19603-1	CS-1 (1.5')	75	83										
880-19603-1 MS	CS-1 (1.5')	87	85										
880-19603-1 MSD	CS-1 (1.5')	87	86										
880-19603-2	CS-2 (1.5')	76	83										
880-19603-3	CS-3 (1.5')	78	87										
880-19603-4	CS-4 (1.5')	78	87										
880-19603-5	CS-5 (1.5')	76	85										
880-19603-6	CS-6 (1.5')	83	90										
880-19603-7	CS-7 (1.5')	78	87										
880-19603-8	CS-8 (1.5')	79	88										
880-19603-9	CS-9 (1.5')	87	96										
880-19603-10	CS-10 (1.5')	78	88										
880-19603-11	CS-11 (1.5')	78	87										
880-19603-12	CS-12 (1.5')	85	93										
880-19603-13	CS-13 (1.5')	79	89										
880-19603-14	CS-14 (1.5')	87	95										
880-19603-15	CS-15 (1.5')	80	89										
880-19603-16	CS-16 (1.5')	78	88										
880-19603-17	CS-17 (1.5')	86	97										
880-19603-18	CS-18 (1.5')	77	86										
880-19603-19	CS-19 (1.5')	88	98										
880-19603-20	CS-20 (1.5')	76	84										
880-19603-21	SW-1 (1.5')	100	106										
880-19603-22	SW-2 (1.5')	119	125										
880-19603-23	SW-3 (1.5')	100	108										
880-19603-24	SW-4 (3')	125	133 S1+										
880-19603-25	SW-5 (3')	86	94										
880-19603-26	SW-6 (3')	98	106										
880-19603-27	SW-7 (1.5')	120	126										
880-19604-A-21-F MS	Matrix Spike	89	78										
880-19604-A-21-G MSD	Matrix Spike Duplicate	79	72										
LCS 880-35308/2-A	Lab Control Sample	168 S1+	183 S1+										
LCS 880-35349/2-A	Lab Control Sample	96	102										
LCSD 880-35308/3-A	Lab Control Sample Dup	163 S1+	178 S1+										
LCSD 880-35349/3-A	Lab Control Sample Dup	92	98										
MB 880-35308/1-A	Method Blank	111	124										
MB 880-35349/1-A	Method Blank	105	113										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35283/5-A
Matrix: Solid
Analysis Batch: 35331

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/23/22 14:09	09/25/22 14:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/23/22 14:09	09/25/22 14:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/23/22 14:09	09/25/22 14:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/23/22 14:09	09/25/22 14:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/23/22 14:09	09/25/22 14:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/23/22 14:09	09/25/22 14:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/23/22 14:09*	*09/25/22 14:33*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*09/23/22 14:09*	*09/25/22 14:33*	*1*

Lab Sample ID: MB 880-35335/5-A
Matrix: Solid
Analysis Batch: 35348

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/25/22 12:23	09/26/22 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:23	09/26/22 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/25/22 12:23	09/26/22 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/25/22 12:23*	*09/26/22 11:52*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*09/25/22 12:23*	*09/26/22 11:52*	*1*

Lab Sample ID: LCS 880-35335/1-A
Matrix: Solid
Analysis Batch: 35348

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1061		mg/Kg		106	70 - 130
Toluene	0.100	0.08108		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08013		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	0.200	0.1640		mg/Kg		82	70 - 130
o-Xylene	0.100	0.08017		mg/Kg		80	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-35335/2-A
Matrix: Solid
Analysis Batch: 35348

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35335

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1107		mg/Kg		111	70 - 130	4	35

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

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

Lab Sample ID: LCSD 880-35335/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35348 — **Prep Batch: 35335**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08514		mg/Kg		85	70 - 130	5	35
Ethylbenzene			0.100	0.08106		mg/Kg		81	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1650		mg/Kg		83	70 - 130	1	35
o-Xylene			0.100	0.08115		mg/Kg		81	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 890-2953-A-53-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35348 — **Prep Batch: 35335**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0998	0.09826		mg/Kg		98	70 - 130
Toluene	<0.00198	U	0.0998	0.07700		mg/Kg		77	70 - 130
Ethylbenzene	<0.00198	U	0.0998	0.07393		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1519		mg/Kg		76	70 - 130
o-Xylene	<0.00198	U	0.0998	0.07740		mg/Kg		77	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 890-2953-A-53-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35348 — **Prep Batch: 35335**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.1007		mg/Kg		100	70 - 130	2	35
Toluene	<0.00198	U	0.101	0.08148		mg/Kg		80	70 - 130	6	35
Ethylbenzene	<0.00198	U	0.101	0.07809		mg/Kg		77	70 - 130	5	35
m-Xylene & p-Xylene	<0.00396	U	0.202	0.1613		mg/Kg		79	70 - 130	6	35
o-Xylene	<0.00198	U	0.101	0.08219		mg/Kg		81	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: MB 880-35336/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35331 — **Prep Batch: 35336**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 01:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 01:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 01:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/25/22 12:27	09/26/22 01:08	1

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

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

Lab Sample ID: MB 880-35336/5-A
Matrix: Solid
Analysis Batch: 35331

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35336

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/22 12:27	09/26/22 01:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/25/22 12:27	09/26/22 01:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/25/22 12:27*	*09/26/22 01:08*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*09/25/22 12:27*	*09/26/22 01:08*	*1*

Lab Sample ID: LCS 880-35336/1-A
Matrix: Solid
Analysis Batch: 35331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35336

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08499		mg/Kg		85	70 - 130		
Toluene			0.100	0.07990		mg/Kg		80	70 - 130		
Ethylbenzene			0.100	0.08273		mg/Kg		83	70 - 130		
m-Xylene & p-Xylene			0.200	0.1695		mg/Kg		85	70 - 130		
o-Xylene			0.100	0.09839		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-35336/2-A
Matrix: Solid
Analysis Batch: 35331

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35336

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07203		mg/Kg		72	70 - 130	17	35
Toluene			0.100	0.07037		mg/Kg		70	70 - 130	13	35
Ethylbenzene			0.100	0.07721		mg/Kg		77	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1619		mg/Kg		81	70 - 130	5	35
o-Xylene			0.100	0.09987		mg/Kg		100	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-19603-1 MS
Matrix: Solid
Analysis Batch: 35331

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 35336

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U	0.0998	0.07769		mg/Kg		78	70 - 130		
Toluene	<0.00202	U	0.0998	0.07591		mg/Kg		76	70 - 130		
Ethylbenzene	<0.00202	U	0.0998	0.08218		mg/Kg		82	70 - 130		
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1689		mg/Kg		85	70 - 130		
o-Xylene	<0.00202	U	0.0998	0.09633		mg/Kg		97	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

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

Lab Sample ID: 880-19603-1 MS
Matrix: Solid
Analysis Batch: 35331

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 35336

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-19603-1 MSD
Matrix: Solid
Analysis Batch: 35331

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 35336

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0996	0.07806		mg/Kg		78	70 - 130	0	35
Toluene	<0.00202	U	0.0996	0.07281		mg/Kg		73	70 - 130	4	35
Ethylbenzene	<0.00202	U	0.0996	0.08020		mg/Kg		81	70 - 130	2	35
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1626		mg/Kg		82	70 - 130	4	35
o-Xylene	<0.00202	U	0.0996	0.09161		mg/Kg		92	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 880-35346/5-A
Matrix: Solid
Analysis Batch: 35345

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 10:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 10:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 10:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/22 08:15	09/26/22 10:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/22 08:15	09/26/22 10:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/22 08:15	09/26/22 10:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	09/26/22 08:15	09/26/22 10:48	1
1,4-Difluorobenzene (Surr)	90		70 - 130	09/26/22 08:15	09/26/22 10:48	1

Lab Sample ID: LCS 880-35346/1-A
Matrix: Solid
Analysis Batch: 35345

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35346

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1142		mg/Kg		114	70 - 130		
Toluene			0.100	0.1053		mg/Kg		105	70 - 130		
Ethylbenzene			0.100	0.1172		mg/Kg		117	70 - 130		
m-Xylene & p-Xylene			0.200	0.2600		mg/Kg		130	70 - 130		
o-Xylene			0.100	0.1243		mg/Kg		124	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

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

Lab Sample ID: LCS 880-35346/1-A
Matrix: Solid
Analysis Batch: 35345

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35346

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-35346/2-A
Matrix: Solid
Analysis Batch: 35345

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35346

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1147		mg/Kg		115	70 - 130	0	35
Toluene			0.100	0.1180		mg/Kg		118	70 - 130	11	35
Ethylbenzene			0.100	0.1440	*+	mg/Kg		144	70 - 130	21	35
m-Xylene & p-Xylene			0.200	0.3350	*+	mg/Kg		168	70 - 130	25	35
o-Xylene			0.100	0.1624	*+	mg/Kg		162	70 - 130	27	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	185	S1+	70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: 880-19603-22 MS
Matrix: Solid
Analysis Batch: 35345

Client Sample ID: SW-2 (1.5')
Prep Type: Total/NA
Prep Batch: 35346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.1119		mg/Kg		110	70 - 130
Toluene	<0.00201	U	0.101	0.1065		mg/Kg		106	70 - 130
Ethylbenzene	<0.00201	U *+	0.101	0.1145		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	<0.00402	U *+ F1	0.202	0.2542		mg/Kg		126	70 - 130
o-Xylene	<0.00201	U *+ F1	0.101	0.1217		mg/Kg		121	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-19603-22 MSD
Matrix: Solid
Analysis Batch: 35345

Client Sample ID: SW-2 (1.5')
Prep Type: Total/NA
Prep Batch: 35346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.1029		mg/Kg		103	70 - 130	8	35
Toluene	<0.00201	U	0.0996	0.1022		mg/Kg		103	70 - 130	4	35
Ethylbenzene	<0.00201	U *+	0.0996	0.1238		mg/Kg		122	70 - 130	8	35
m-Xylene & p-Xylene	<0.00402	U *+ F1	0.199	0.2806	F1	mg/Kg		141	70 - 130	10	35
o-Xylene	<0.00201	U *+ F1	0.0996	0.1370	F1	mg/Kg		138	70 - 130	12	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	177	S1+	70 - 130
1,4-Difluorobenzene (Surr)	127		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

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

Lab Sample ID: MB 880-35366/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35357 — **Prep Batch: 35366**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 12:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 12:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 12:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/22 09:51	09/26/22 12:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/22 09:51	09/26/22 12:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/22 09:51	09/26/22 12:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/26/22 09:51*	*09/26/22 12:02*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*09/26/22 09:51*	*09/26/22 12:02*	*1*

Lab Sample ID: LCS 880-35366/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35357 — **Prep Batch: 35366**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08654		mg/Kg		87	70 - 130
Toluene	0.100	0.07683		mg/Kg		77	70 - 130
Ethylbenzene	0.100	0.08077		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1625		mg/Kg		81	70 - 130
o-Xylene	0.100	0.09508		mg/Kg		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*54*	*S1-*	*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-35366/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35357 — **Prep Batch: 35366**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08700		mg/Kg		87	70 - 130	1	35
Toluene	0.100	0.07978		mg/Kg		80	70 - 130	4	35
Ethylbenzene	0.100	0.08153		mg/Kg		82	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1700		mg/Kg		85	70 - 130	4	35
o-Xylene	0.100	0.09609		mg/Kg		96	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-19603-11 MS — **Client Sample ID: CS-11 (1.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35357 — **Prep Batch: 35366**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0996	0.08414		mg/Kg		84	70 - 130
Toluene	0.00397		0.0996	0.07679		mg/Kg		73	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

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

Lab Sample ID: 880-19603-11 MS
Matrix: Solid
Analysis Batch: 35357

Client Sample ID: CS-11 (1.5')
Prep Type: Total/NA
Prep Batch: 35366

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.00425		0.0996	0.08055		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	0.0104		0.199	0.1673		mg/Kg		79	70 - 130
o-Xylene	0.00695		0.0996	0.09689		mg/Kg		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-19603-11 MSD
Matrix: Solid
Analysis Batch: 35357

Client Sample ID: CS-11 (1.5')
Prep Type: Total/NA
Prep Batch: 35366

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.09011		mg/Kg		90	70 - 130	7	35
Toluene	0.00397		0.0996	0.08333		mg/Kg		80	70 - 130	8	35
Ethylbenzene	0.00425		0.0996	0.08490		mg/Kg		81	70 - 130	5	35
m-Xylene & p-Xylene	0.0104		0.199	0.1756		mg/Kg		83	70 - 130	5	35
o-Xylene	0.00695		0.0996	0.09962		mg/Kg		93	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

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

Lab Sample ID: MB 880-35308/1-A
Matrix: Solid
Analysis Batch: 35318

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35308

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 10:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 10:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/23/22 17:22	09/24/22 10:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*09/23/22 17:22*	*09/24/22 10:51*	*1*
o-Terphenyl	*124*		*70 - 130*	*09/23/22 17:22*	*09/24/22 10:51*	*1*

Lab Sample ID: LCS 880-35308/2-A
Matrix: Solid
Analysis Batch: 35318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35308

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	939.8		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1005		mg/Kg		101	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

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

Lab Sample ID: LCS 880-35308/2-A
Matrix: Solid
Analysis Batch: 35318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35308

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	168	S1+	70 - 130
o-Terphenyl	183	S1+	70 - 130

Lab Sample ID: LCSD 880-35308/3-A
Matrix: Solid
Analysis Batch: 35318

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35308

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	934.6		mg/Kg		93	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	936.8		mg/Kg		94	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	163	S1+	70 - 130
o-Terphenyl	178	S1+	70 - 130

Lab Sample ID: 880-19603-1 MS
Matrix: Solid
Analysis Batch: 35318

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 35308

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	998	851.6		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	717.5		mg/Kg		72	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 880-19603-1 MSD
Matrix: Solid
Analysis Batch: 35318

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 35308

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	999	845.5		mg/Kg		82	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	727.8		mg/Kg		73	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	86		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

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

Lab Sample ID: MB 880-35349/1-A
Matrix: Solid
Analysis Batch: 35339

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35349

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 10:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 10:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/22 08:27	09/26/22 10:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*09/26/22 08:27*	*09/26/22 10:03*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/26/22 08:27*	*09/26/22 10:03*	*1*

Lab Sample ID: LCS 880-35349/2-A
Matrix: Solid
Analysis Batch: 35339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35349

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	952.1		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	868.5		mg/Kg		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: LCSD 880-35349/3-A
Matrix: Solid
Analysis Batch: 35339

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35349

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	912.5		mg/Kg		91	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	832.6		mg/Kg		83	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 880-19604-A-21-F MS
Matrix: Solid
Analysis Batch: 35339

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35349

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	998	764.3		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	886.7		mg/Kg		87	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

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

Lab Sample ID: 880-19604-A-21-F MS
Matrix: Solid
Analysis Batch: 35339

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35349

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 880-19604-A-21-G MSD
Matrix: Solid
Analysis Batch: 35339

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35349

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	999	750.8		mg/Kg		73	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	821.3		mg/Kg		81	70 - 130	8	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	72		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35312/1-A
Matrix: Solid
Analysis Batch: 35381

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/26/22 12:49	1

Lab Sample ID: LCS 880-35312/2-A
Matrix: Solid
Analysis Batch: 35381

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.8		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-35312/3-A
Matrix: Solid
Analysis Batch: 35381

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	241.7		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-19603-6 MS
Matrix: Solid
Analysis Batch: 35381

Client Sample ID: CS-6 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	19.8		250	263.1		mg/Kg		97	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-19603-6 MSD
Matrix: Solid
Analysis Batch: 35381

Client Sample ID: CS-6 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	19.8		250	263.0		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-35317/1-A
Matrix: Solid
Analysis Batch: 35427

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/27/22 00:07	1

Lab Sample ID: LCS 880-35317/2-A
Matrix: Solid
Analysis Batch: 35427

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.8		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-35317/3-A
Matrix: Solid
Analysis Batch: 35427

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	242.9		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-19603-16 MS
Matrix: Solid
Analysis Batch: 35427

Client Sample ID: CS-16 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.7		253	265.8		mg/Kg		101	90 - 110

Lab Sample ID: 880-19603-16 MSD
Matrix: Solid
Analysis Batch: 35427

Client Sample ID: CS-16 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.7		253	266.9		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-19603-26 MS
Matrix: Solid
Analysis Batch: 35427

Client Sample ID: SW-6 (3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	65.1		251	312.8		mg/Kg		99	90 - 110

Lab Sample ID: 880-19603-26 MSD
Matrix: Solid
Analysis Batch: 35427

Client Sample ID: SW-6 (3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	65.1		251	312.7		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

GC VOA

Prep Batch: 35283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-35283/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 35331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-1	CS-1 (1.5')	Total/NA	Solid	8021B	35336
880-19603-2	CS-2 (1.5')	Total/NA	Solid	8021B	35336
880-19603-3	CS-3 (1.5')	Total/NA	Solid	8021B	35336
880-19603-4	CS-4 (1.5')	Total/NA	Solid	8021B	35336
880-19603-5	CS-5 (1.5')	Total/NA	Solid	8021B	35336
880-19603-6	CS-6 (1.5')	Total/NA	Solid	8021B	35336
880-19603-7	CS-7 (1.5')	Total/NA	Solid	8021B	35336
880-19603-8	CS-8 (1.5')	Total/NA	Solid	8021B	35336
880-19603-9	CS-9 (1.5')	Total/NA	Solid	8021B	35336
880-19603-10	CS-10 (1.5')	Total/NA	Solid	8021B	35336
MB 880-35283/5-A	Method Blank	Total/NA	Solid	8021B	35283
MB 880-35336/5-A	Method Blank	Total/NA	Solid	8021B	35336
LCS 880-35336/1-A	Lab Control Sample	Total/NA	Solid	8021B	35336
LCSD 880-35336/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35336
880-19603-1 MS	CS-1 (1.5')	Total/NA	Solid	8021B	35336
880-19603-1 MSD	CS-1 (1.5')	Total/NA	Solid	8021B	35336

Prep Batch: 35335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-21	SW-1 (1.5')	Total/NA	Solid	5035	
MB 880-35335/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35335/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35335/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2953-A-53-D MS	Matrix Spike	Total/NA	Solid	5035	
890-2953-A-53-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 35336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-19603-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-19603-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-19603-4	CS-4 (1.5')	Total/NA	Solid	5035	
880-19603-5	CS-5 (1.5')	Total/NA	Solid	5035	
880-19603-6	CS-6 (1.5')	Total/NA	Solid	5035	
880-19603-7	CS-7 (1.5')	Total/NA	Solid	5035	
880-19603-8	CS-8 (1.5')	Total/NA	Solid	5035	
880-19603-9	CS-9 (1.5')	Total/NA	Solid	5035	
880-19603-10	CS-10 (1.5')	Total/NA	Solid	5035	
MB 880-35336/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35336/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35336/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19603-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
880-19603-1 MSD	CS-1 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 35345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-22	SW-2 (1.5')	Total/NA	Solid	8021B	35346

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

GC VOA (Continued)

Analysis Batch: 35345 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-23	SW-3 (1.5')	Total/NA	Solid	8021B	35346
880-19603-24	SW-4 (3')	Total/NA	Solid	8021B	35346
880-19603-25	SW-5 (3')	Total/NA	Solid	8021B	35346
880-19603-26	SW-6 (3')	Total/NA	Solid	8021B	35346
880-19603-27	SW-7 (1.5')	Total/NA	Solid	8021B	35346
MB 880-35346/5-A	Method Blank	Total/NA	Solid	8021B	35346
LCS 880-35346/1-A	Lab Control Sample	Total/NA	Solid	8021B	35346
LCSD 880-35346/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35346
880-19603-22 MS	SW-2 (1.5')	Total/NA	Solid	8021B	35346
880-19603-22 MSD	SW-2 (1.5')	Total/NA	Solid	8021B	35346

Prep Batch: 35346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-22	SW-2 (1.5')	Total/NA	Solid	5035	
880-19603-23	SW-3 (1.5')	Total/NA	Solid	5035	
880-19603-24	SW-4 (3')	Total/NA	Solid	5035	
880-19603-25	SW-5 (3')	Total/NA	Solid	5035	
880-19603-26	SW-6 (3')	Total/NA	Solid	5035	
880-19603-27	SW-7 (1.5')	Total/NA	Solid	5035	
MB 880-35346/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35346/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35346/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19603-22 MS	SW-2 (1.5')	Total/NA	Solid	5035	
880-19603-22 MSD	SW-2 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 35348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-21	SW-1 (1.5')	Total/NA	Solid	8021B	35335
MB 880-35335/5-A	Method Blank	Total/NA	Solid	8021B	35335
LCS 880-35335/1-A	Lab Control Sample	Total/NA	Solid	8021B	35335
LCSD 880-35335/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35335
890-2953-A-53-D MS	Matrix Spike	Total/NA	Solid	8021B	35335
890-2953-A-53-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35335

Analysis Batch: 35357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-11	CS-11 (1.5')	Total/NA	Solid	8021B	35366
880-19603-12	CS-12 (1.5')	Total/NA	Solid	8021B	35366
880-19603-13	CS-13 (1.5')	Total/NA	Solid	8021B	35366
880-19603-14	CS-14 (1.5')	Total/NA	Solid	8021B	35366
880-19603-15	CS-15 (1.5')	Total/NA	Solid	8021B	35366
880-19603-16	CS-16 (1.5')	Total/NA	Solid	8021B	35366
880-19603-17	CS-17 (1.5')	Total/NA	Solid	8021B	35366
880-19603-18	CS-18 (1.5')	Total/NA	Solid	8021B	35366
880-19603-19	CS-19 (1.5')	Total/NA	Solid	8021B	35366
880-19603-20	CS-20 (1.5')	Total/NA	Solid	8021B	35366
MB 880-35366/5-A	Method Blank	Total/NA	Solid	8021B	35366
LCS 880-35366/1-A	Lab Control Sample	Total/NA	Solid	8021B	35366
LCSD 880-35366/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35366
880-19603-11 MS	CS-11 (1.5')	Total/NA	Solid	8021B	35366
880-19603-11 MSD	CS-11 (1.5')	Total/NA	Solid	8021B	35366

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

GC VOA

Prep Batch: 35366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-11	CS-11 (1.5')	Total/NA	Solid	5035	
880-19603-12	CS-12 (1.5')	Total/NA	Solid	5035	
880-19603-13	CS-13 (1.5')	Total/NA	Solid	5035	
880-19603-14	CS-14 (1.5')	Total/NA	Solid	5035	
880-19603-15	CS-15 (1.5')	Total/NA	Solid	5035	
880-19603-16	CS-16 (1.5')	Total/NA	Solid	5035	
880-19603-17	CS-17 (1.5')	Total/NA	Solid	5035	
880-19603-18	CS-18 (1.5')	Total/NA	Solid	5035	
880-19603-19	CS-19 (1.5')	Total/NA	Solid	5035	
880-19603-20	CS-20 (1.5')	Total/NA	Solid	5035	
MB 880-35366/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35366/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35366/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19603-11 MS	CS-11 (1.5')	Total/NA	Solid	5035	
880-19603-11 MSD	CS-11 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 35445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-5	CS-5 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-6	CS-6 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-7	CS-7 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-8	CS-8 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-9	CS-9 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-10	CS-10 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-11	CS-11 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-12	CS-12 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-13	CS-13 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-14	CS-14 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-15	CS-15 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-16	CS-16 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-17	CS-17 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-18	CS-18 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-19	CS-19 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-20	CS-20 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-21	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-22	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-23	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-19603-24	SW-4 (3')	Total/NA	Solid	Total BTEX	
880-19603-25	SW-5 (3')	Total/NA	Solid	Total BTEX	
880-19603-26	SW-6 (3')	Total/NA	Solid	Total BTEX	
880-19603-27	SW-7 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 35308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

GC Semi VOA (Continued)

Prep Batch: 35308 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-5	CS-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-6	CS-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-7	CS-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-8	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-9	CS-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-10	CS-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-11	CS-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-12	CS-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-13	CS-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-14	CS-14 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-15	CS-15 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-16	CS-16 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-17	CS-17 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-18	CS-18 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-19	CS-19 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-20	CS-20 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-35308/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35308/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35308/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19603-1 MS	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 35318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-5	CS-5 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-6	CS-6 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-7	CS-7 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-8	CS-8 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-9	CS-9 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-10	CS-10 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-11	CS-11 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-12	CS-12 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-13	CS-13 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-14	CS-14 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-15	CS-15 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-16	CS-16 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-17	CS-17 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-18	CS-18 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-19	CS-19 (1.5')	Total/NA	Solid	8015B NM	35308
880-19603-20	CS-20 (1.5')	Total/NA	Solid	8015B NM	35308
MB 880-35308/1-A	Method Blank	Total/NA	Solid	8015B NM	35308
LCS 880-35308/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35308
LCSD 880-35308/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35308
880-19603-1 MS	CS-1 (1.5')	Total/NA	Solid	8015B NM	35308

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

GC Semi VOA (Continued)

Analysis Batch: 35318 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015B NM	35308

Analysis Batch: 35339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-21	SW-1 (1.5')	Total/NA	Solid	8015B NM	35349
880-19603-22	SW-2 (1.5')	Total/NA	Solid	8015B NM	35349
880-19603-23	SW-3 (1.5')	Total/NA	Solid	8015B NM	35349
880-19603-24	SW-4 (3')	Total/NA	Solid	8015B NM	35349
880-19603-25	SW-5 (3')	Total/NA	Solid	8015B NM	35349
880-19603-26	SW-6 (3')	Total/NA	Solid	8015B NM	35349
880-19603-27	SW-7 (1.5')	Total/NA	Solid	8015B NM	35349
MB 880-35349/1-A	Method Blank	Total/NA	Solid	8015B NM	35349
LCS 880-35349/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35349
LCSD 880-35349/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35349
880-19604-A-21-F MS	Matrix Spike	Total/NA	Solid	8015B NM	35349
880-19604-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	35349

Prep Batch: 35349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-21	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-22	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-23	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-19603-24	SW-4 (3')	Total/NA	Solid	8015NM Prep	
880-19603-25	SW-5 (3')	Total/NA	Solid	8015NM Prep	
880-19603-26	SW-6 (3')	Total/NA	Solid	8015NM Prep	
880-19603-27	SW-7 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-35349/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35349/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35349/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19604-A-21-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-19604-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 35377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-19603-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-19603-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-19603-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-19603-5	CS-5 (1.5')	Total/NA	Solid	8015 NM	
880-19603-6	CS-6 (1.5')	Total/NA	Solid	8015 NM	
880-19603-7	CS-7 (1.5')	Total/NA	Solid	8015 NM	
880-19603-8	CS-8 (1.5')	Total/NA	Solid	8015 NM	
880-19603-9	CS-9 (1.5')	Total/NA	Solid	8015 NM	
880-19603-10	CS-10 (1.5')	Total/NA	Solid	8015 NM	
880-19603-11	CS-11 (1.5')	Total/NA	Solid	8015 NM	
880-19603-12	CS-12 (1.5')	Total/NA	Solid	8015 NM	
880-19603-13	CS-13 (1.5')	Total/NA	Solid	8015 NM	
880-19603-14	CS-14 (1.5')	Total/NA	Solid	8015 NM	
880-19603-15	CS-15 (1.5')	Total/NA	Solid	8015 NM	
880-19603-16	CS-16 (1.5')	Total/NA	Solid	8015 NM	
880-19603-17	CS-17 (1.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

GC Semi VOA (Continued)

Analysis Batch: 35377 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-18	CS-18 (1.5')	Total/NA	Solid	8015 NM	
880-19603-19	CS-19 (1.5')	Total/NA	Solid	8015 NM	
880-19603-20	CS-20 (1.5')	Total/NA	Solid	8015 NM	
880-19603-21	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-19603-22	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-19603-23	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-19603-24	SW-4 (3')	Total/NA	Solid	8015 NM	
880-19603-25	SW-5 (3')	Total/NA	Solid	8015 NM	
880-19603-26	SW-6 (3')	Total/NA	Solid	8015 NM	
880-19603-27	SW-7 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 35312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-19603-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-19603-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-19603-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-19603-5	CS-5 (1.5')	Soluble	Solid	DI Leach	
880-19603-6	CS-6 (1.5')	Soluble	Solid	DI Leach	
880-19603-7	CS-7 (1.5')	Soluble	Solid	DI Leach	
880-19603-8	CS-8 (1.5')	Soluble	Solid	DI Leach	
880-19603-9	CS-9 (1.5')	Soluble	Solid	DI Leach	
880-19603-10	CS-10 (1.5')	Soluble	Solid	DI Leach	
880-19603-11	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-19603-12	CS-12 (1.5')	Soluble	Solid	DI Leach	
880-19603-13	CS-13 (1.5')	Soluble	Solid	DI Leach	
880-19603-14	CS-14 (1.5')	Soluble	Solid	DI Leach	
880-19603-15	CS-15 (1.5')	Soluble	Solid	DI Leach	
MB 880-35312/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35312/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35312/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19603-6 MS	CS-6 (1.5')	Soluble	Solid	DI Leach	
880-19603-6 MSD	CS-6 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 35317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-16	CS-16 (1.5')	Soluble	Solid	DI Leach	
880-19603-17	CS-17 (1.5')	Soluble	Solid	DI Leach	
880-19603-18	CS-18 (1.5')	Soluble	Solid	DI Leach	
880-19603-19	CS-19 (1.5')	Soluble	Solid	DI Leach	
880-19603-20	CS-20 (1.5')	Soluble	Solid	DI Leach	
880-19603-21	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-19603-22	SW-2 (1.5')	Soluble	Solid	DI Leach	
880-19603-23	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-19603-24	SW-4 (3')	Soluble	Solid	DI Leach	
880-19603-25	SW-5 (3')	Soluble	Solid	DI Leach	
880-19603-26	SW-6 (3')	Soluble	Solid	DI Leach	
880-19603-27	SW-7 (1.5')	Soluble	Solid	DI Leach	
MB 880-35317/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

HPLC/IC (Continued)

Leach Batch: 35317 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-35317/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35317/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19603-16 MS	CS-16 (1.5')	Soluble	Solid	DI Leach	
880-19603-16 MSD	CS-16 (1.5')	Soluble	Solid	DI Leach	
880-19603-26 MS	SW-6 (3')	Soluble	Solid	DI Leach	
880-19603-26 MSD	SW-6 (3')	Soluble	Solid	DI Leach	

Analysis Batch: 35381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-1	CS-1 (1.5')	Soluble	Solid	300.0	35312
880-19603-2	CS-2 (1.5')	Soluble	Solid	300.0	35312
880-19603-3	CS-3 (1.5')	Soluble	Solid	300.0	35312
880-19603-4	CS-4 (1.5')	Soluble	Solid	300.0	35312
880-19603-5	CS-5 (1.5')	Soluble	Solid	300.0	35312
880-19603-6	CS-6 (1.5')	Soluble	Solid	300.0	35312
880-19603-7	CS-7 (1.5')	Soluble	Solid	300.0	35312
880-19603-8	CS-8 (1.5')	Soluble	Solid	300.0	35312
880-19603-9	CS-9 (1.5')	Soluble	Solid	300.0	35312
880-19603-10	CS-10 (1.5')	Soluble	Solid	300.0	35312
880-19603-11	CS-11 (1.5')	Soluble	Solid	300.0	35312
880-19603-12	CS-12 (1.5')	Soluble	Solid	300.0	35312
880-19603-13	CS-13 (1.5')	Soluble	Solid	300.0	35312
880-19603-14	CS-14 (1.5')	Soluble	Solid	300.0	35312
880-19603-15	CS-15 (1.5')	Soluble	Solid	300.0	35312
MB 880-35312/1-A	Method Blank	Soluble	Solid	300.0	35312
LCS 880-35312/2-A	Lab Control Sample	Soluble	Solid	300.0	35312
LCSD 880-35312/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35312
880-19603-6 MS	CS-6 (1.5')	Soluble	Solid	300.0	35312
880-19603-6 MSD	CS-6 (1.5')	Soluble	Solid	300.0	35312

Analysis Batch: 35427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19603-16	CS-16 (1.5')	Soluble	Solid	300.0	35317
880-19603-17	CS-17 (1.5')	Soluble	Solid	300.0	35317
880-19603-18	CS-18 (1.5')	Soluble	Solid	300.0	35317
880-19603-19	CS-19 (1.5')	Soluble	Solid	300.0	35317
880-19603-20	CS-20 (1.5')	Soluble	Solid	300.0	35317
880-19603-21	SW-1 (1.5')	Soluble	Solid	300.0	35317
880-19603-22	SW-2 (1.5')	Soluble	Solid	300.0	35317
880-19603-23	SW-3 (1.5')	Soluble	Solid	300.0	35317
880-19603-24	SW-4 (3')	Soluble	Solid	300.0	35317
880-19603-25	SW-5 (3')	Soluble	Solid	300.0	35317
880-19603-26	SW-6 (3')	Soluble	Solid	300.0	35317
880-19603-27	SW-7 (1.5')	Soluble	Solid	300.0	35317
MB 880-35317/1-A	Method Blank	Soluble	Solid	300.0	35317
LCS 880-35317/2-A	Lab Control Sample	Soluble	Solid	300.0	35317
LCSD 880-35317/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35317
880-19603-16 MS	CS-16 (1.5')	Soluble	Solid	300.0	35317
880-19603-16 MSD	CS-16 (1.5')	Soluble	Solid	300.0	35317
880-19603-26 MS	SW-6 (3')	Soluble	Solid	300.0	35317
880-19603-26 MSD	SW-6 (3')	Soluble	Solid	300.0	35317

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-19603-1

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35336	09/25/22 12:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35331	09/26/22 01:30	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 11:55	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 13:47	CH	EET MID

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-19603-2

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35336	09/25/22 12:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35331	09/26/22 01:50	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 12:59	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 13:52	CH	EET MID

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-19603-3

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35336	09/25/22 12:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35331	09/26/22 02:10	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 13:20	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 13:57	CH	EET MID

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-19603-4

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35336	09/25/22 12:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35331	09/26/22 02:31	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-19603-4

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 13:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 14:01	CH	EET MID

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-19603-5

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35336	09/25/22 12:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35331	09/26/22 02:51	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 14:03	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 14:06	CH	EET MID

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-19603-6

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35336	09/25/22 12:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35331	09/26/22 03:12	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 14:24	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 14:11	CH	EET MID

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-19603-7

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35336	09/25/22 12:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35331	09/26/22 03:32	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 14:45	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-19603-7
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 14:26	CH	EET MID

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-19603-8
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

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	35336	09/25/22 12:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35331	09/26/22 03:53	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 15:06	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 14:31	CH	EET MID

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-19603-9
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

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	35336	09/25/22 12:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35331	09/26/22 04:13	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 15:27	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 14:45	CH	EET MID

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-19603-10
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

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	35336	09/25/22 12:27	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35331	09/26/22 04:33	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 15:48	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 14:50	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-19603-11

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35366	09/26/22 09:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35357	09/26/22 12:24	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 16:32	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 14:55	CH	EET MID

Client Sample ID: CS-12 (1.5')

Lab Sample ID: 880-19603-12

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35366	09/26/22 09:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35357	09/26/22 12:44	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 16:54	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 15:00	CH	EET MID

Client Sample ID: CS-13 (1.5')

Lab Sample ID: 880-19603-13

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35366	09/26/22 09:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35357	09/26/22 13:05	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 17:16	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 15:05	CH	EET MID

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-19603-14

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35366	09/26/22 09:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35357	09/26/22 13:26	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-19603-14
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

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			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 17:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 15:10	CH	EET MID

Client Sample ID: CS-15 (1.5')

Lab Sample ID: 880-19603-15
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

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	35366	09/26/22 09:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35357	09/26/22 13:46	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 18:00	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35312	09/26/22 09:05	SMC	EET MID
Soluble	Analysis	300.0		1			35381	09/26/22 15:15	CH	EET MID

Client Sample ID: CS-16 (1.5')

Lab Sample ID: 880-19603-16
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

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	35366	09/26/22 09:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35357	09/26/22 14:07	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 18:23	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	35317	09/23/22 17:46	SMC	EET MID
Soluble	Analysis	300.0		1			35427	09/27/22 00:22	CH	EET MID

Client Sample ID: CS-17 (1.5')

Lab Sample ID: 880-19603-17
Matrix: Solid
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

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	35366	09/26/22 09:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35357	09/26/22 14:27	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 18:45	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: CS-17 (1.5')
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	35317	09/23/22 17:46	SMC	EET MID
Soluble	Analysis	300.0		1			35427	09/27/22 00:36	CH	EET MID

Client Sample ID: CS-18 (1.5')
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	35366	09/26/22 09:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35357	09/26/22 14:48	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 19:08	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	35317	09/23/22 17:46	SMC	EET MID
Soluble	Analysis	300.0		1			35427	09/27/22 00:41	CH	EET MID

Client Sample ID: CS-19 (1.5')
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	35366	09/26/22 09:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35357	09/26/22 15:08	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 19:30	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35317	09/23/22 17:46	SMC	EET MID
Soluble	Analysis	300.0		1			35427	09/27/22 00:46	CH	EET MID

Client Sample ID: CS-20 (1.5')
Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-20
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			5.01 g	5 mL	35366	09/26/22 09:51	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35357	09/26/22 15:29	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35308	09/23/22 17:22	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35318	09/24/22 19:52	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	35317	09/23/22 17:46	SMC	EET MID
Soluble	Analysis	300.0		1			35427	09/27/22 00:51	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-19603-21

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35335	09/25/22 12:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35348	09/26/22 12:41	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 16:54	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	35317	09/23/22 17:46	SMC	EET MID
Soluble	Analysis	300.0		1			35427	09/27/22 01:06	CH	EET MID

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-19603-22

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 11:10	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 17:15	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	35317	09/23/22 17:46	SMC	EET MID
Soluble	Analysis	300.0		1			35427	09/27/22 01:10	CH	EET MID

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-19603-23

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 11:31	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 17:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	35317	09/23/22 17:46	SMC	EET MID
Soluble	Analysis	300.0		1			35427	09/27/22 01:15	CH	EET MID

Client Sample ID: SW-4 (3')

Lab Sample ID: 880-19603-24

Date Collected: 09/23/22 00:00
Matrix: Solid
Date Received: 09/23/22 16:36

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	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 11:52	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: SW-4 (3')

Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-24
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			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 17:58	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	35317	09/23/22 17:46	SMC	EET MID
Soluble	Analysis	300.0		1			35427	09/27/22 01:20	CH	EET MID

Client Sample ID: SW-5 (3')

Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 12:13	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 18:19	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	35317	09/23/22 17:46	SMC	EET MID
Soluble	Analysis	300.0		1			35427	09/27/22 01:25	CH	EET MID

Client Sample ID: SW-6 (3')

Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-26
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			5.00 g	5 mL	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 12:33	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 18:41	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	35317	09/23/22 17:46	SMC	EET MID
Soluble	Analysis	300.0		1			35427	09/27/22 01:30	CH	EET MID

Client Sample ID: SW-7 (1.5')

Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-27
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	35346	09/26/22 08:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35345	09/26/22 12:54	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35445	09/26/22 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			35377	09/26/22 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35349	09/26/22 08:27	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35339	09/26/22 19:02	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Client Sample ID: SW-7 (1.5')

Date Collected: 09/23/22 00:00
Date Received: 09/23/22 16:36

Lab Sample ID: 880-19603-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	35317	09/23/22 17:46	SMC	EET MID
Soluble	Analysis	300.0		1			35427	09/27/22 01:44	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	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 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Wild Cap State Com 6H (07.06.22)

Job ID: 880-19603-1
SDG: Eddy Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-19603-1	CS-1 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-2	CS-2 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-3	CS-3 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-4	CS-4 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-5	CS-5 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-6	CS-6 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-7	CS-7 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-8	CS-8 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-9	CS-9 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-10	CS-10 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-11	CS-11 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-12	CS-12 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-13	CS-13 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-14	CS-14 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-15	CS-15 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-16	CS-16 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-17	CS-17 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-18	CS-18 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-19	CS-19 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-20	CS-20 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-21	SW-1 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-22	SW-2 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-23	SW-3 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-24	SW-4 (3')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-25	SW-5 (3')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-26	SW-6 (3')	Solid	09/23/22 00:00	09/23/22 16:36
880-19603-27	SW-7 (1.5')	Solid	09/23/22 00:00	09/23/22 16:36

Work Order No: 19603

Page 1 of 3

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving NM 88256
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 6H (07 06 22)	Turn Around	
Project Number	1108	☐ Routine ☑ Rush	
Project Location	Eddy Co , NM	Due Date	24 hour
Sampler's Name	GPJ	TAT starts the day received by the lab if received by 4 30pm	
PO #			

SAMPLE RECEIPT			
Temp Blank	Yes (No)	Wet Ice	(Yes) No
Received Intact	(Yes) No	Thermometer ID	IR2
Cooler Custody Seals	Yes No (N/A)	Correction Factor	.20
Sample Custody Seals	Yes No (N/A)	Temperature Reading	3.2
Total Containers		Corrected Temperature	3.4

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	HOLD	Sample Comments
CS-1 (1 5')	9/23/2022		X		C	1		x	x	x		
CS-2 (1 5')	9/23/2022		X		C	1		x	x	x		
CS-3 (1 5')	9/23/2022		X		C	1		x	x	x		
CS-4 (1.5')	9/23/2022		X		C	1		x	x	x		
CS-5 (1 5')	9/23/2022		X		C	1		x	x	x		
CS-6 (1 5')	9/23/2022		X		C	1		x	x	x		
CS-7 (1 5')	9/23/2022		X		C	1		x	x	x		
CS-8 (1 5')	9/23/2022		X		C	1		x	x	x		
CS-9 (1 5')	9/23/2022		X		C	1		x	x	x		
CS-10 (1 5')	9/23/2022		X		C	1		x	x	x		

880-19603 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	9.23.22 436pm		

Work Order No: 19603

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 88256
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 6H (07 06 22)	Turn Around	
Project Number	1108	☐ Routine ☑ Rush	
Project Location	Eddy Co , NM	Due Date	24 hour
Sampler's Name	GPJ	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

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

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	HOLD	Sample Comments
CS-11 (1 5')	9/23/2022		X		Comp	1		X	X	X		
CS-12 (1 5')	9/23/2022		X		Comp	1		X	X	X		
CS-13 (1 5')	9/23/2022		X		Comp	1		X	X	X		
CS-14 (1 5')	9/23/2022		X		Comp	1		X	X	X		
CS-15 (1 5')	9/23/2022		X		Comp	1		X	X	X		
CS-16 (3')	9/23/2022		X		Comp	1		X	X	X		
CS-17 (1 5')	9/23/2022		X		Comp	1		X	X	X		
CS-18 (1 5')	9/23/2022		X		Comp	1		X	X	X		
CS-19 (1 5')	9/23/2022		X		Comp	1		X	X	X		
CS-20 (1 5')	9/23/2022		X		Comp	1		X	X	X		

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	9-23-22 436p		

Work Order No: 196603

9/27/2022

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 88256
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 6H (07 06 22)	Turn Around	
Project Number	1108	☐ Routine ☑ Rush	
Project Location	Eddy Co , NM	Due Date	24 hour
Sampler's Name	GPJ	TAT starts the day received by the lab if received by 4 30pm	
PO #			

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

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD
SW-1 (1 5')	9/7/2022		X		Comp	1		X	X	X	
SW-2 (1 5')	9/7/2022		X		Comp	1		X	X	X	
SW-3 (1 5')	9/7/2022		X		Comp	1		X	X	X	
~~SW-4 (3')~~	~~9/7/2022~~		~~X~~		~~Comp~~	~~1~~		~~X~~	~~X~~	~~X~~	
SW-5 (3')	9/7/2022		X		Comp	1		X	X	X	
SW-6 (3')	9/7/2022		X		Comp	1		X	X	X	
SW-7 (1 5')	9/7/2022		X		Comp	1		X	X	X	
SW-2 (1 5')	9/7/2022		X		Comp	1		X	X	X	

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 Comments

Loc: 880

19603

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	9.23.22 438pm		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-19603-1
SDG Number: Eddy Co., NM

Login Number: 19603
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 151127

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 151127
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	12/15/2022