



SITE INFORMATION

Closure Report
Uber East SWD (02.04.2024)
Incident # NAPP2403644942
Eddy County, New Mexico
Unit I Sec 24 T23S R31E
32.288867°, -103.725522°

Produced Water Release
Point of Release: Valve, Human Error
Release Date: 02.04.2024
Volume Released: 17 Barrels of Produced Water
Volume Recovered: 12 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
NGL Energy Partners, LLC.
865 North Albion Street
Denver, CO 80220

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

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July 9, 2024

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

Re: Closure Report
Uber East SWD (02.04.2024)
NGL Water Solutions Permian, LLC
Incident # NAPP2403644942
Site Location: Unit I Sec 24 T23S R31E
(Lat 32.288867°, Long -103.725522°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of NGL Energy Partners (NGL), Carmona Resource, LLC has prepared this letter to document site assessment activities for the Uber East SWD (02.04.2024). The site is located at 32.288867°, -103.725522° within Unit I, S24, T23S, R31E in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on February 4, 2024, due to a loose valve resulting from human error. Approximately seventeen (17) barrels of produced water were released, and approximately twelve (12) barrels of produced water were recovered. The impacted area was on the pad, as shown in Figure 3. The Notice of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest groundwater determination bore is located approximately 0.49 miles north of the site in S24, T23S, R31E, and was drilled on March 9, 2023. The determination bore was drilled to a depth of 55' below the ground surface (ft bgs). The determination bore was revisited on March 12, 2023, and no presence of groundwater was found during that time. A copy of the associated NMOSE Well Record and Log is attached in Appendix D.

On April 11, 2024, Carmona Resources, LLC was granted a variance by the NMOCD for a confirmation sampling variance of 400 square feet. See Appendix C for the correspondence.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

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432.813.1992



4.0 Site Assessment Activities

Trenching

Between February 28, 2024, and February 29, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of five (5) trenches (T-1 through T-5) and five (5) horizontal sample points (H-1 through H-5) were advanced to depths ranging from surface to 3.0' bgs inside the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. The analytical results are summarized in Table 1.

Vertical Delineation

Vertical delineation was achieved in all areas of T-1 through T-5. Refer to Table 1 for sampling results.

Horizontal Delineation

All horizontal sample locations were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

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 web portal on June 20, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the correspondence. The areas of T-2 and T-4 were excavated to a depth of 1.5'. A total of thirteen (13) confirmation floor samples were collected (CS-1 through CS-13), and eight (8) sidewall samples (SW-1 through SW-8) were collected every 400 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. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are displayed in Figure 4.

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

400 cubic yards of material were excavated and transported offsite for proper disposal. Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. The material utilized for backfill was sourced from the Colombo Pit, located at GPS 32.2585668, -103.6975390. The pit sample was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

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6.0 Conclusions

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

Ashton Thielke
Sr. Project Manager

Conner Moehring
Sr. Project Manager

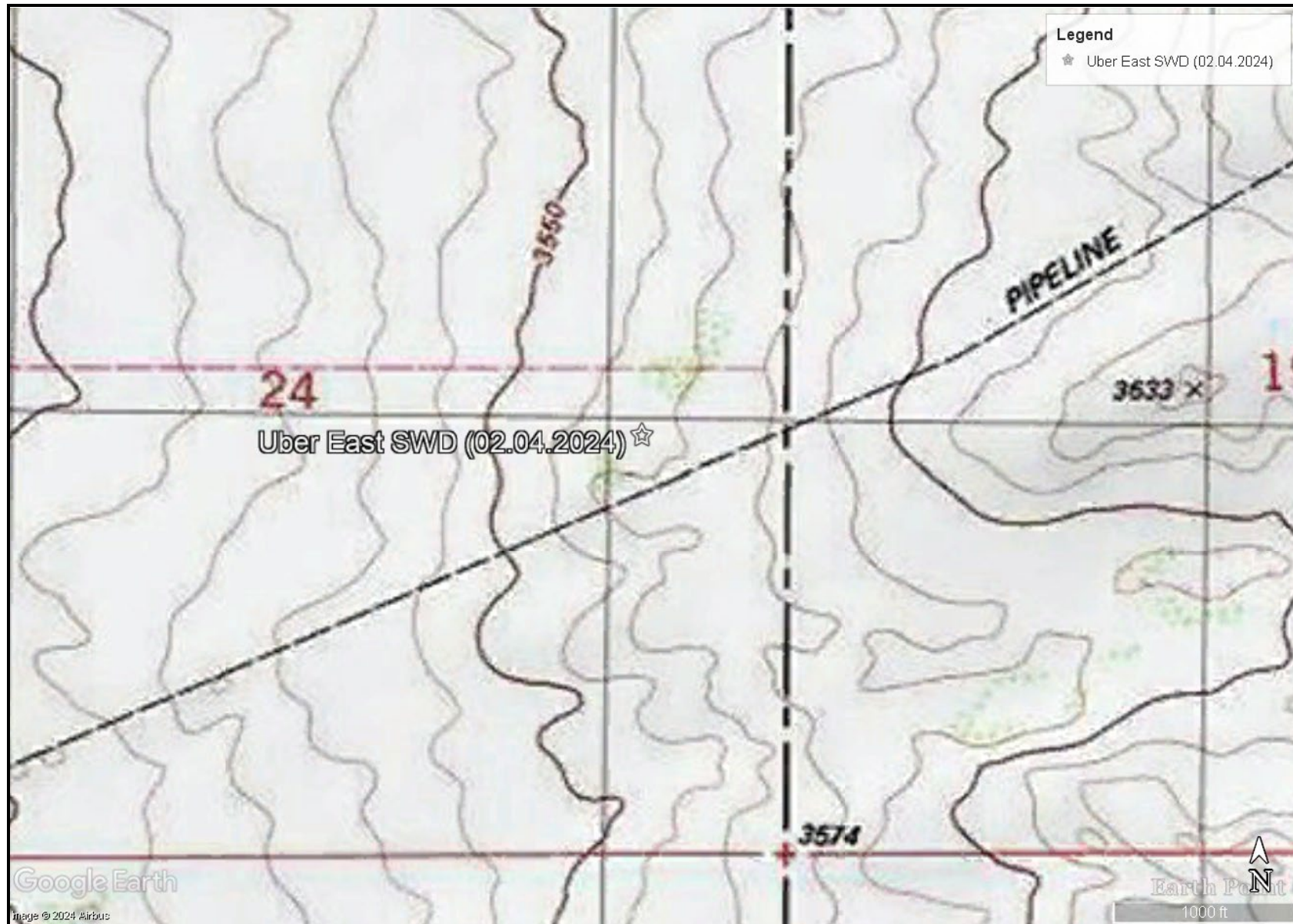
310 West Wall Street, Suite 500
Midland, Texas 79701
432.813.1992

FIGURES

CARMONA RESOURCES



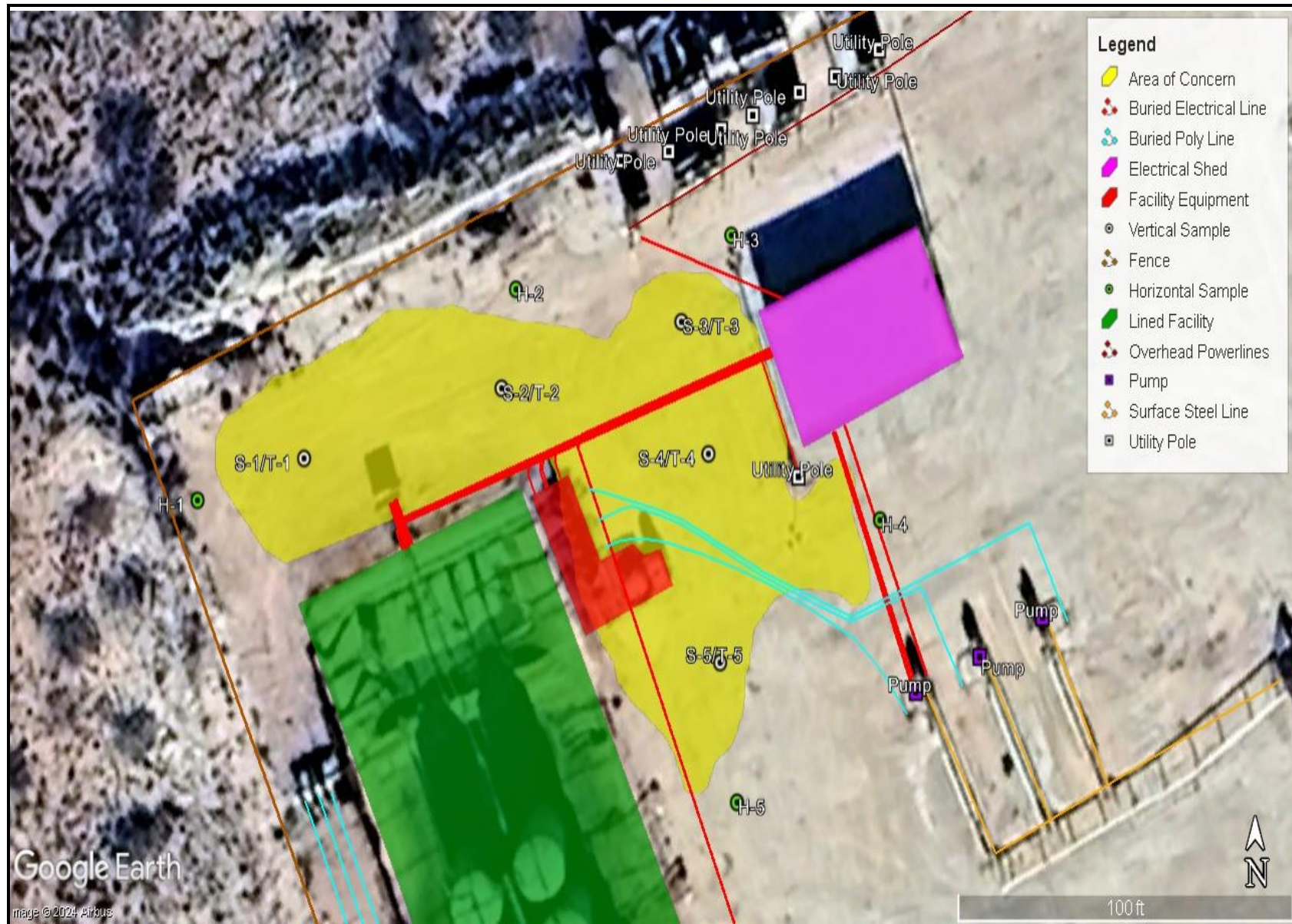




TOPOGRAPHIC MAP
NGL WATER SOLUTIONS
UBER EAST SWD (02.04.2024)
EDDY COUNTY, NEW MEXICO
32.288867°, -103.725522°



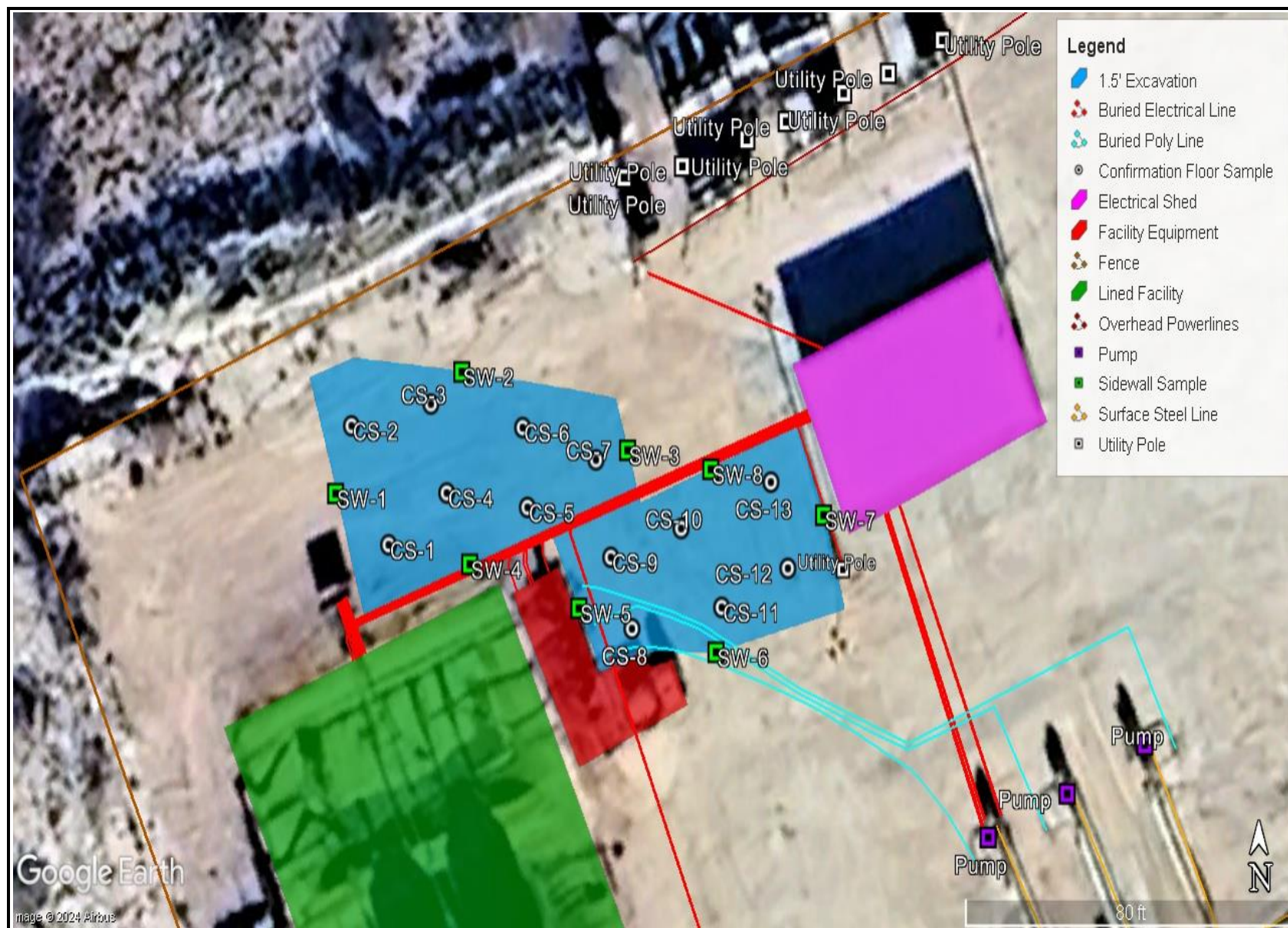
FIGURE 2



SAMPLE LOCATION MAP
NGL WATER SOLUTIONS
UBER EAST SWD (02.04.2024)
EDDY COUNTY, NEW MEXICO
32.288867°, -103.725522°



FIGURE 3



EXCAVATION MAP
 NGL WATER SOLUTIONS
 UBER EAST SWD (02.04.2024)
 EDDY COUNTY, NEW MEXICO
 32.288867°, -103.725522°



FIGURE 4

APPENDIX A

CARMONA RESOURCES



Table 1
NGL Water Solutions
Uber East SWD
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						
T-1	2/28/2024	0-1	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,850
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	421
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	406
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	180
T-2	2/28/2024	0-1	<49.8	52.0	<49.8	52.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43,200
	"	1.5	<50.0	52.2	<50.0	52.2	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	429
	"	2.0	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	639
T-3	2/28/2024	0-1	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,540
	"	1.5	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	92.1
	"	2.0	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	105
T-4	2/29/2024	0-1	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	23,000
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	967
	"	2.0	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	290
T-5	2/29/2024	0-1	<49.7	68.2	<49.7	68.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7,700
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	405
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	282
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(T) Test Trench

 Removed

Table 1
NGL Water Solutions
Uber East SWD
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						
H-1	2/12/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	71.3
H-2	2/12/2024	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	63.6
H-3	2/12/2024	0-0.5	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	49.3
H-4	2/12/2024	0-0.5	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	72.5
H-5	2/12/2024	0-0.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	68.0
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontals

Table 2
NGL Water Solutions
Uber East SWD
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	6/24/2024	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,320
CS-2	6/24/2024	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	637
CS-3	6/24/2024	1.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	60.4
CS-4	6/24/2024	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	607
CS-5	6/24/2024	1.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	490
CS-6	6/24/2024	1.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	836
CS-7	6/24/2024	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	181
CS-8	6/24/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	305
CS-9	6/24/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,370
CS-10	6/24/2024	1.5	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	1,780
CS-11	6/24/2024	1.5	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,540
CS-12	6/24/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,030
CS-13	6/24/2024	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,610
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 2
NGL Water Solutions
Uber East SWD
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	6/24/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.1
SW-2	6/24/2024	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	84.6
SW-3	6/24/2024	1.5	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	54.3
SW-4	6/24/2024	1.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	155
SW-5	6/24/2024	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	273
SW-6	6/24/2024	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	51.5
SW-7	6/24/2024	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	68.1
SW-8	6/24/2024	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	233
Colombo Pit	6/25/2024	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	106
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

NGL Energy Partners

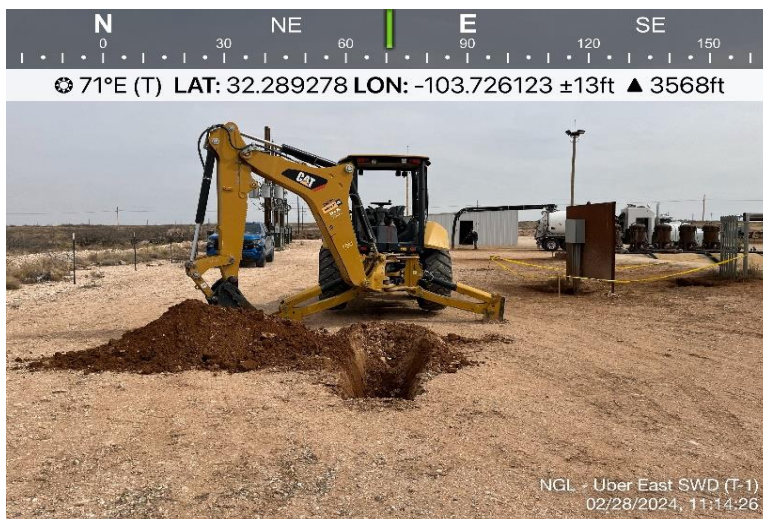
Photograph No. 1

Facility: Uber East SWD (02.04.2024)

County: Eddy County, New Mexico

Description:

View East, area of T-1.



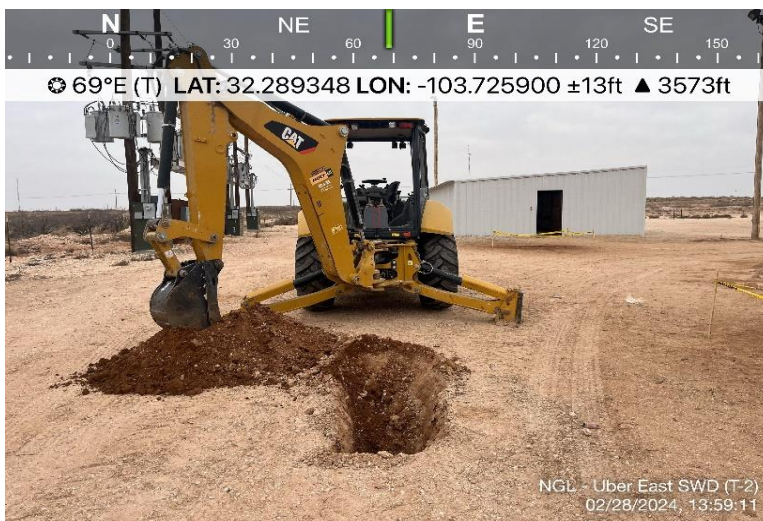
Photograph No. 2

Facility: Uber East SWD (02.04.2024)

County: Eddy County, New Mexico

Description:

View Northeast, area of T-2.



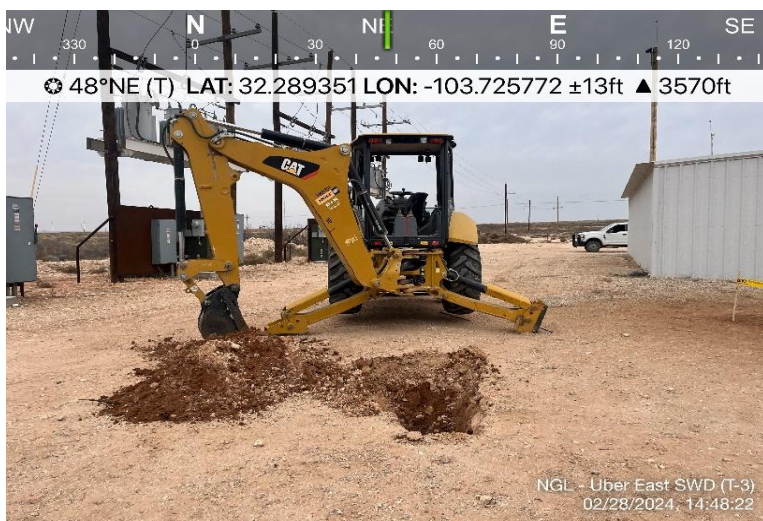
Photograph No. 3

Facility: Uber East SWD (02.04.2024)

County: Eddy County, New Mexico

Description:

View Northeast, area of T-3.



PHOTOGRAPHIC LOG

NGL Energy Partners

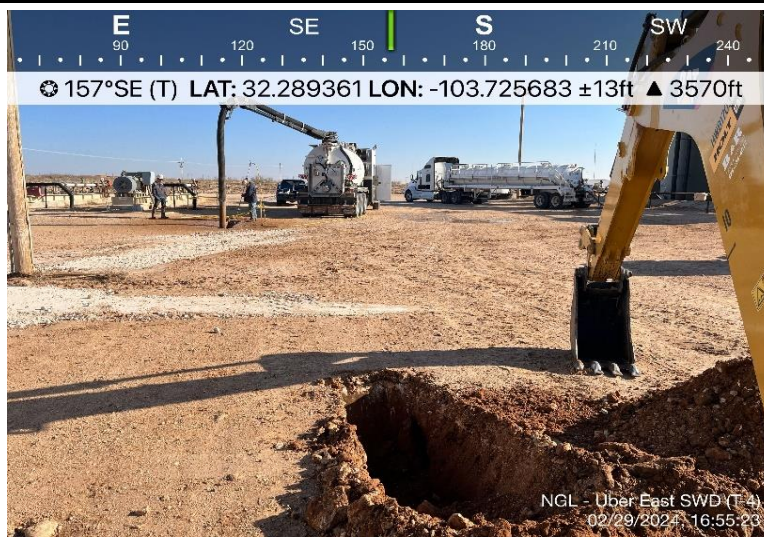
Photograph No. 4

Facility: Uber East SWD (02.04.2024)

County: Eddy County, New Mexico

Description:

View Southeast, area of T-4.



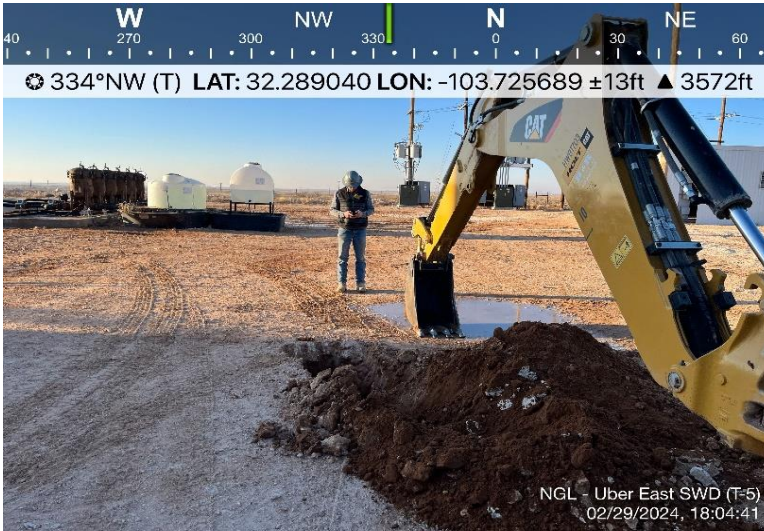
Photograph No. 5

Facility: Uber East SWD (02.04.2024)

County: Eddy County, New Mexico

Description:

View Northwest, area of T-5.



Photograph No. 6

Facility: Uber East SWD (02.04.2024)

County: Eddy County, New Mexico

Description:

View Southeast, area of CS-1 through CS-5.



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 7

Facility: Uber East SWD (02.04.2024)

County: Eddy County, New Mexico

Description:

View South, area of CS-6 through CS-9



Photograph No. 8

Facility: Uber East SWD (02.04.2024)

County: Eddy County, New Mexico

Description:

View West, area of CS-8 through CS-11.



Photograph No. 9

Facility: Uber East SWD (02.04.2024)

County: Eddy County, New Mexico

Description:

View North, area of CS-11 through CS-13.



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 10**Facility:** Uber East SWD (02.04.2024)**County:** Eddy County, New Mexico**Description:**

View Southeast, area of the backfilled excavation.

**Photograph No. 11****Facility:** Uber East SWD (02.04.2024)**County:** Eddy County, New Mexico**Description:**

View Southeast, area of the backfilled excavation.

**Photograph No. 12****Facility:** Uber East SWD (02.04.2024)**County:** Eddy County, New Mexico**Description:**

View West, area of the backfilled excavation.



APPENDIX C

CARMONA RESOURCES



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

QUESTIONS

Action 311252

QUESTIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 311252
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Uber East SWD
Date Release Discovered	02/04/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Valve Produced Water Released: 17 BBL Recovered: 12 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 311252

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 311252
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. 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 prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

ACKNOWLEDGMENTS

Action 311252

ACKNOWLEDGMENTS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 311252
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☒	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☒	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.
☒	I acknowledge the fact that 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.
☒	I acknowledge the fact that, 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.

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Santa Fe, NM 87505

CONDITIONS

Action 311252

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 311252
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jvargo	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	2/5/2024

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

CONDITIONS

Action 324089

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 324089
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation Plan Approved with the following condition: A variance to collect five-point composite samples from the walls and base of the excavation is approved for no more than every 400 square feet as that is the largest variance OCD approves at this time. Submit remediation closure report to the OCD no later than 7/10/2024.	4/11/2024

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 356313

QUESTIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 356313
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2403644942
Incident Name	NAPP2403644942 UBER EAST SWD @ 30-015-43806
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-43806] UBER EAST SWD #001

Location of Release Source	
Site Name	Uber East SWD
Date Release Discovered	02/04/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,500
What is the estimated number of samples that will be gathered	24
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/24/2024
Time sampling will commence	11:30 AM
Please provide any information necessary for observers to contact samplers	Conner Moerhring (432) 813- 6823
Please provide any information necessary for navigation to sampling site	32.288867°, -103.725522°

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CONDITIONS

Action 356313

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 356313
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jvargo	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/20/2024

Incident ID	
District RP	
Facility ID	
Application ID	

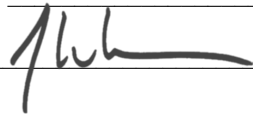
Closure

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:  _____ Date: _____
email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX D

CARMONA RESOURCES

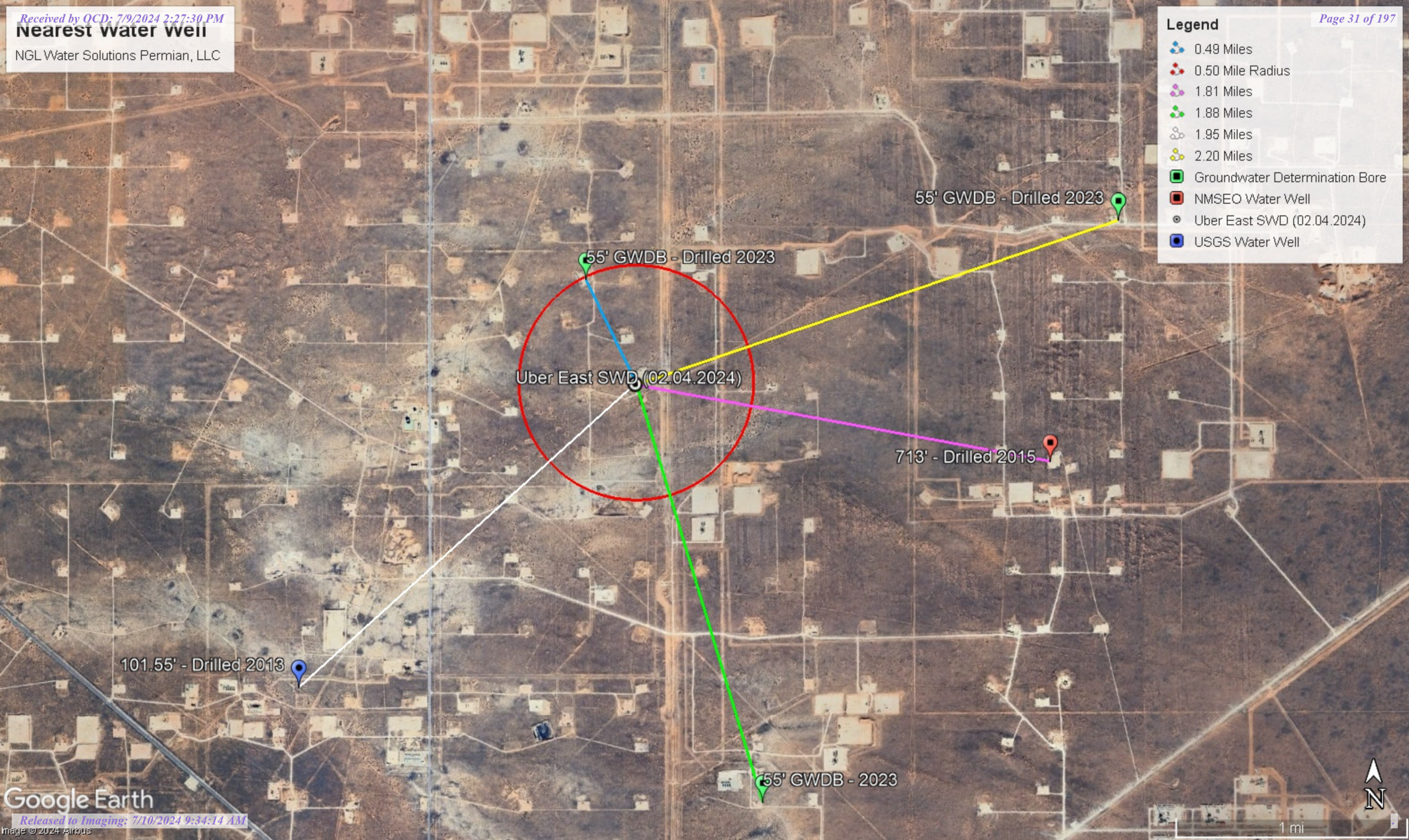


Nearest water well

NGL Water Solutions Permian, LLC

Legend

- 0.49 Miles
- 0.50 Mile Radius
- 1.81 Miles
- 1.88 Miles
- 1.95 Miles
- 2.20 Miles
- Groundwater Determination Bore
- NMSEO Water Well
- Uber East SWD (02.04.2024)
- USGS Water Well



Low Karst

NGL Water Solutions Permian, LLC

Legend



Low



Uber East SWD (02.04.2024)

Uber East SWD (02.04.2024)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04712 POD3	CUB	ED		4	1	2	24	23S	31E	619651	3573877	793	55		
C 04774 POD1	CUB	ED		4	2	2	23	23S	31E	618456	3573856	1696	105		
C 04704 POD1	CUB	ED		3	2	2	13	23S	31E	619854	3575363	2200			
C 02258	C	ED			3	2	26	23S	31E	618055	3571853*	2353	662		
C 04712 POD4	CUB	ED		1	4	3	14	23S	31E	617535	3574316	2724	55		
C 03851 POD1	CUB	LE		3	3	4	20	23S	32E	622880	3572660	2917	1392	713	679
C 04712 POD1	CUB	LE		1	4	1	31	23S	32E	620917	3570289	3019	55		
C 02348	C	ED		1	4	3	26	23S	31E	617648	3571068	3158	700	430	270
C 03529 POD1	C	LE		2	4	3	29	23S	32E	622651	3571212	3289	550		
C 04712 POD2	CUB	LE		4	4	4	17	23S	32E	623332	3574331	3522	55		
C 04746 POD1	CUB	ED		3	4	3	36	23S	31E	619226	3569417	3830	105		
C 02777	CUB	ED		4	4	4	10	23S	31E	616974	3575662	3926	890		
C 03749 POD1	CUB	ED			2	2	15	23S	31E	616974	3575662	3926	865	639	226

Average Depth to Water: **594 feet**

Minimum Depth: **430 feet**

Maximum Depth: **713 feet**

Record Count: 13

UTM NAD83 Radius Search (in meters):

Easting (X): 620006.59

Northing (Y): 3573168.21

Radius: 4000

*UTM location was derived from PLSS - see Help

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

2/8/24 8:24 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4712-POD3		WELL TAG ID NO.		OSE FILE NO(S). C-4712			
	WELL OWNER NAME(S) Harvard Petroleum Company				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS P.O. Box 936				CITY Roswell	STATE NM	ZIP 88202	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 17	SECONDS 43.1	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE 103	43	45.2	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Maley		NAME OF WELL DRILLING COMPANY Vision Resources			
	DRILLING STARTED 3-9-2023	DRILLING ENDED 3-9-2023	DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) Dry			
	COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry		DATE STATIC MEASURED Dry	
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐			
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 45		8"	2" PUC Sch 40	Thread	2"	Sch 40	—
	45 55		8"	2" PUC Sch 40 (screen)	Thread	2"	Sch 40	.02
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
				None Pulled and Plugged				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4712-POD3	POD NO. 3	TRN NO. 743189
LOCATION Mon 23.21.24.412	WELL TAG ID NO. —	PAGE 1 OF 2

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 743189
File Nbr: C 04712
Well File Nbr: C 04712 POD3

Apr. 04, 2023

VERTEX RESOURCES
P.O. BOX 936
ROSWELL, NM 88202

Greetings:

The above numbered permit was issued in your name on 02/21/2023.

The Well Record was received in this office on 04/04/2023, stating that it had been completed on 03/09/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/21/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) POD-1				OSE FILE NUMBER(S) C-3851			
	WELL OWNER NAME(S) WIPP- Department of Energy Carlsbad Field Office				PHONE (OPTIONAL) (575)234-7488			
	WELL OWNER MAILING ADDRESS PO Box 3090				CITY Carlsbad		STATE ZIP NM 88221-3090	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 17	SECONDS 2.3 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LONGITUDE	103	41 42.3 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE 3.5 mi. east of Redd Rd. Section 20, Township 23s, Range 32e								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD-1723		NAME OF LICENSED DRILLER Randy Stewart			NAME OF WELL DRILLING COMPANY Stewart Brothers Drilling		
	DRILLING STARTED 8-19-15	DRILLING ENDED 10-2-15	DEPTH OF COMPLETED WELL (FT) 1392		BORE HOLE DEPTH (FT) 1405	DEPTH WATER FIRST ENCOUNTERED (FT) 1354		
	COMPLETED WELL IS: ☒ ARTESIAN ☐ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 713		
	DRILLING FLUID: ☐ AIR ☒ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	+2	35	24	LCS	weld	14	.375	2 1/2"
	35	1354	12.250	Blank FRP	Threaded	5	.25	1 1/2"
	1354	1383	12.250	Slotted FRP	Threaded	5	.25	1 1/2"
1383	1393	12.250	Blank FRP	Threaded	5	.25	1 1/2"	
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	35	24	neat cement	61	tremie		
	35	1347	12.250	neat cement	1080	tremie		
	1347	1352	12.250	Gelacryl seal	3.25	tremie		
	1352	1353	12.250	Bentonite pellets	.35	tremie		
	1353	1383	12.250	6-9 Sand	19.60	tremie		
	1383	1389	12.250	Gelacryl seal	3.92	tremie		
1389	1405	12.250	bentonite seal(.65 cu/ft)6-9 sand	9.80	tremie			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 10/29/15)

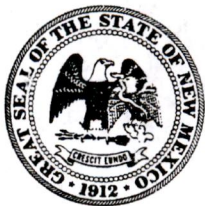
FILE NUMBER	C-3851	POD NUMBER	1	TRN NUMBER	564731
LOCATION	23S.32E.20.4.3.3			monitor	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	6	6	Pad material & brown sand	Y ✓ N	
	6	36	30	Caliche	Y ✓ N	
	36	120	84	Gatuna Sandstone	Y ✓ N	
	120	440	320	Chinle Sandstone	Y ✓ N	
	440	576	136	Santa Rosa Sandstone	Y ✓ N	
	576	1198	622	Dewey Lake Sandstone	Y ✓ N	
	1198	1228	30	Anhydrite	Y ✓ N	
	1228	1238	10	Mudstone	Y ✓ N	
	1238	1248	10	Anhydrite	Y ✓ N	
	1248	1265	17	Magenta Dolemite	Y ✓ N	
	1265	1332	67	Anhydrite	Y ✓ N	
	1332	1340	8	mudstone	Y ✓ N	
	1340	1354	14	Anhydrite	Y ✓ N	
	1354	1380	16	Culebra Dolemite	✓ Y N	3.00
	1380	1390	10	mudstone	Y ✓ N	
	1390	1405	15	Anhydrite	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
☐ PUMP ☒ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:					3.00	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION:					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Danny L White					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:  SIGNATURE OF DRILLER / PRINT SIGNED NAME					10/31/15 DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	C-3851	POD NUMBER	1	TRN NUMBER	564731
LOCATION	23S. 32E. 20. 4-3-3			monitor	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

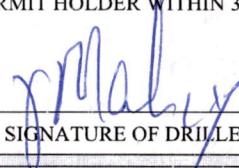
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4712 POD 1		WELL TAG ID NO.		OSE FILE NO(S). C-4712		
	WELL OWNER NAME(S) Harvard Petroleum Company				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS PO Box 936				CITY Roswell	STATE NM	
					ZIP 88202		
2. DRILLING & CASING INFORMATION	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 15	SECONDS 46.1	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE -103	42	58.4	W	* DATUM REQUIRED: WGS 84	
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						
3. ANNULAR MATERIAL	LICENSE NO. 1833	NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources		
	DRILLING STARTED Mar 9, 2023	DRILLING ENDED 3/9/23	DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) Dry		
	COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry	DATE STATIC MEASURED Dry	
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	0 45		6	2" pvc sch 40	Thread	2"	sch 40
	45 55		6	2" pvc sch 40	Tread	2"	sch 40
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4712-POD 1	POD NO. 1	TRN NO. 743189
LOCATION Mon 23.32.31.141	WELL TAG ID NO. —	PAGE 1 OF 2

DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
FROM	TO				
0	20	20	White Caliche	Y	N
20	45	25	Brown fine sand	Y	N
45	55	10	Red sandy Caliche	Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:				TOTAL ESTIMATED WELL YIELD (gpm): Dry	
WELL TEST		TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.			
MISCELLANEOUS INFORMATION: USE DIT APR 4 2023 PM 1:23					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:					
THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:  Jason Maley 3/24/23 SIGNATURE OF DRILLER / PRINT SIGNEE NAMEDATE					
FOR OSE INTERNAL USE					
FILE NO. C-4712-POD 1		POD NO. 1		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
LOCATION W. on 23.32.31.141		WELL TAG ID NO.		TRN NO. 743189	
PAGE 2 OF 2					

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 743189
File Nbr: C 04712
Well File Nbr: C 04712 POD1

Apr. 04, 2023

VERTEX RESOURCES
P.O. BOX 936
ROSWELL, NM 88202

Greetings:

The above numbered permit was issued in your name on 02/21/2023.

The Well Record was received in this office on 04/04/2023, stating that it had been completed on 03/09/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/21/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell



USGS Home
Contact USGS
Search USGS

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 =

- 321609103445901

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

USGS 321609103445901 23S.31E.26.34411

Eddy County, New Mexico
Latitude 32°16'11.9", Longitude 103°45'01.2" NAD83
Land-surface elevation 3,451.00 feet above NGVD29
The depth of the well is 365 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Dewey Lake Redbeds (312DYLK) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1959-02-04			D	62610	3194.13	NGVD29	P	Z			A
1959-02-04			D	62611	3195.83	NAVD88	P	Z			A
1959-02-04			D	72019	256.87		P	Z			A
1972-09-20			D	62610	3200.53	NGVD29	1	Z			A
1972-09-20			D	62611	3202.23	NAVD88	1	Z			A
1972-09-20			D	72019	250.47		1	Z			A
1988-03-17			D	62610	3201.98	NGVD29	1	S			A
1988-03-17			D	62611	3203.68	NAVD88	1	S			A
1988-03-17			D	72019	249.02		1	S			A
2013-01-17	00:00 UTC		m	62610	3349.45	NGVD29	P	S	USGS	S	A
2013-01-17	00:00 UTC		m	62611	3351.15	NAVD88	P	S	USGS	S	A
2013-01-17	00:00 UTC		m	72019	101.55		P	S	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined

Section	Code	Description
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



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

Page Last Modified: 2024-02-08 11:16:17 EST

0.28 0.24 nadww02



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04712 P002		WELL TAG ID NO.		OSE FILE NO(S). C-4712		
	WELL OWNER NAME(S) Harvard Petroleum Company				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS P.O. Box 936				CITY Roswell	STATE NM	
					ZIP 88202		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 17	SECONDS 56.4 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE -103	41	24.2 W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							
2. DRILLING & CASING INFORMATION	LICENSE NO. 1833	NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources		
	DRILLING STARTED 3-9-2023	DRILLING ENDED 3-9-2023	DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) Dry		
	COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry		
					DATE STATIC MEASURED Dry		
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:						
	CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐						
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
USE ONLY APR 4 2023 PM 1:23							
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)		AMOUNT (cubic feet)	

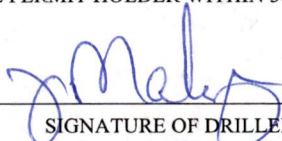
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	C-4712-POD 2	POD NO.	2	TRN NO.	743189
LOCATION	Mow 23.32.17.444	WELL TAG ID NO.	PAGE 1 OF 2		

DEPTH (feet bgl)	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)	
					FROM
0	35	35	White Caliche	Y	N
35	55	55	Red Fine Sand Dry	Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:			TOTAL ESTIMATED WELL YIELD (gpm):		
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:			Dry		

WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
MISCELLANEOUS INFORMATION: hole would not stay open past 35' Plugged no water	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: USE DIT APR 4 2023 PM 1:23	

SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:
 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	3/24/23 DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	C-4712-POD 2	POD NO.	2
LOCATION	Neon 23.32.17.444	TRN NO.	743189
		WELL TAG ID NO.	
		PAGE 2 OF 2	

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 743189
File Nbr: C 04712
Well File Nbr: C 04712 POD2

Apr. 04, 2023

VERTEX RESOURCES
P.O. BOX 936
ROSWELL, NM 88202

Greetings:

The above numbered permit was issued in your name on 02/21/2023.

The Well Record was received in this office on 04/04/2023, stating that it had been completed on 03/09/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/21/2024.

If you have any questions, please feel free to contact us.

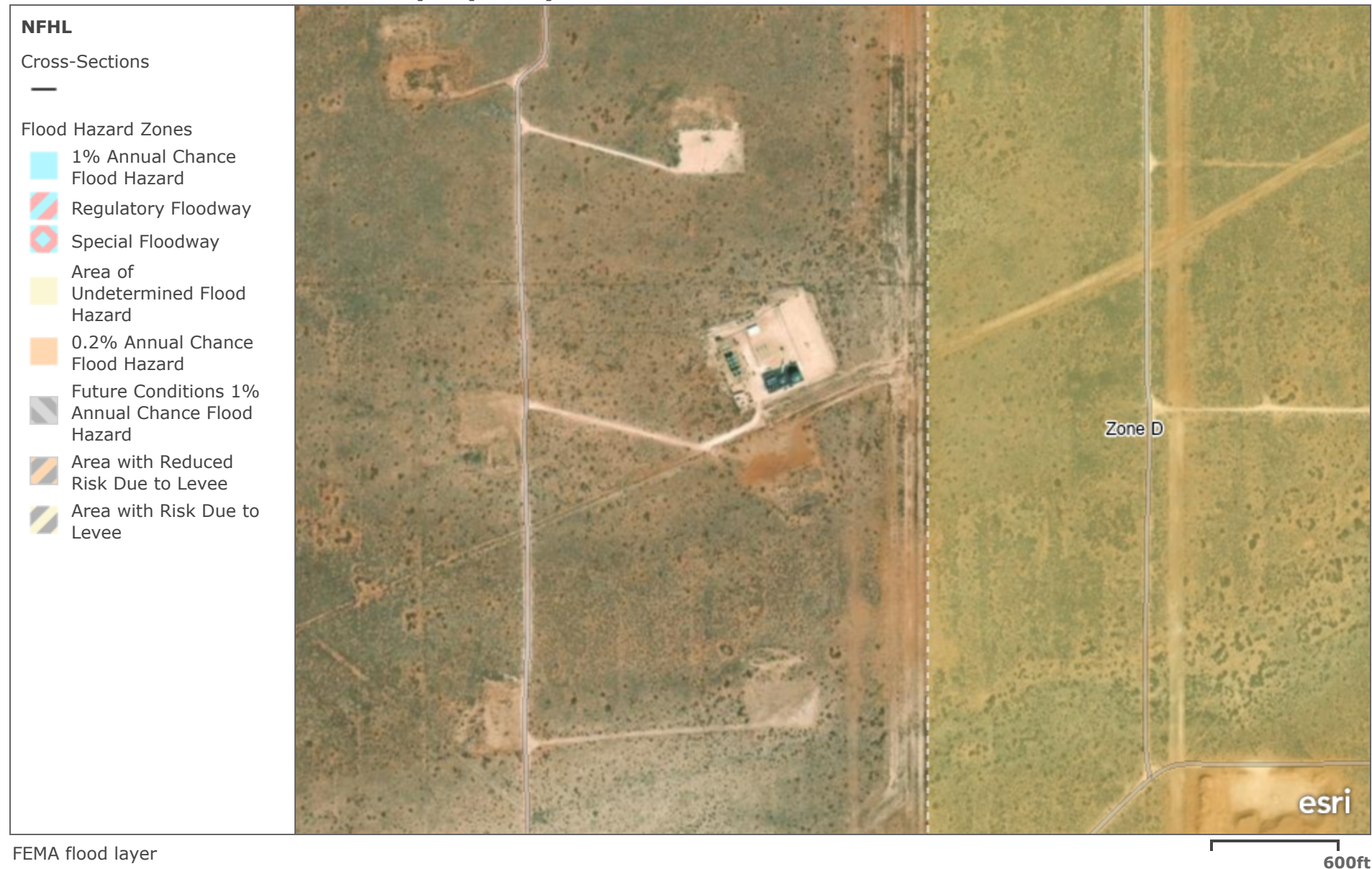
Sincerely,

A handwritten signature in black ink, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell

FEMA National Flood Hazard Layer (NFHL)



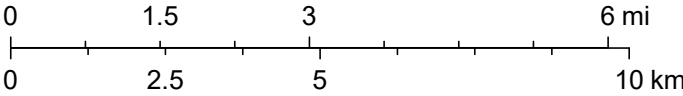
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Uber East SWD (02.04.2024)



2/8/2024, 9:23:27 AM

1:144,448



Esri, NASA, NGA, USGS, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS

APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 3/11/2024 9:46:13 AM

JOB DESCRIPTION

Uber East SWD
Eddy County, New Mexico

JOB NUMBER

880-40230-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



Generated
3/11/2024 9:46:13 AM

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

Client: Carmona Resources
Project/Site: Uber East SWD

Laboratory Job ID: 880-40230-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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: Uber East SWD

Job ID: 880-40230-1

Job ID: 880-40230-1

Eurofins Midland

Job Narrative 880-40230-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 3/4/2024 10:38 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 5.7°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-40230-1), T-1 (1.5') (880-40230-2), T-1 (2') (880-40230-3), T-1 (3') (880-40230-4), T-2 (0-1') (880-40230-5), T-2 (1.5') (880-40230-6), T-2 (2') (880-40230-7), T-3 (0-1') (880-40230-8), T-3 (1.5') (880-40230-9), T-3 (2') (880-40230-10), T-4 (0-1') (880-40230-11), T-4 (1.5') (880-40230-12), T-4 (2') (880-40230-13), T-5 (0-1') (880-40230-14), T-5 (1.5') (880-40230-15) and T-5 (2') (880-40230-16).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-74703 and analytical batch 880-74854 was outside the upper control 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: T-1 (1.5') (880-40230-2) and T-5 (2') (880-40230-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-74622 and analytical batch 880-75019 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-74623 and analytical batch 880-74898 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-40230-1

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 04:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 04:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 04:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/04/24 16:27	03/07/24 04:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 04:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/04/24 16:27	03/07/24 04:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	03/04/24 16:27	03/07/24 04:04	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/04/24 16:27	03/07/24 04:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/07/24 04:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			03/05/24 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		03/05/24 12:15	03/05/24 14:13	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		03/05/24 12:15	03/05/24 14:13	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		03/05/24 12:15	03/05/24 14:13	1
Total TPH	<50.3	U	50.3		mg/Kg		03/05/24 12:15	03/05/24 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	03/05/24 12:15	03/05/24 14:13	1
o-Terphenyl	116		70 - 130	03/05/24 12:15	03/05/24 14:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9850		49.9		mg/Kg			03/08/24 11:33	10

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-40230-2

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/04/24 16:27	03/07/24 04:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/04/24 16:27	03/07/24 04:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/04/24 16:27	03/07/24 04:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/04/24 16:27	03/07/24 04:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/04/24 16:27	03/07/24 04:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/04/24 16:27	03/07/24 04:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/04/24 16:27	03/07/24 04:25	1
1,4-Difluorobenzene (Surr)	110		70 - 130	03/04/24 16:27	03/07/24 04:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (1.5')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/07/24 04:25	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.5	U	50.5		mg/Kg			03/05/24 14:34	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		03/05/24 12:15	03/05/24 14:34	1	
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		03/05/24 12:15	03/05/24 14:34	1	
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		03/05/24 12:15	03/05/24 14:34	1	
Total TPH	<50.5	U	50.5		mg/Kg		03/05/24 12:15	03/05/24 14:34	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	132	S1+	70 - 130				03/05/24 12:15	03/05/24 14:34	1	
o-Terphenyl	119		70 - 130				03/05/24 12:15	03/05/24 14:34	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	421		4.96		mg/Kg			03/08/24 11:37	1	

Client Sample ID: T-1 (2')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/04/24 16:27	03/07/24 04:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/04/24 16:27	03/07/24 04:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/04/24 16:27	03/07/24 04:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/04/24 16:27	03/07/24 04:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/04/24 16:27	03/07/24 04:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/04/24 16:27	03/07/24 04:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				03/04/24 16:27	03/07/24 04:45	1
1,4-Difluorobenzene (Surr)	120		70 - 130				03/04/24 16:27	03/07/24 04:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/07/24 04:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/05/24 14:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/05/24 12:15	03/05/24 14:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-40230-3

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/05/24 12:15	03/05/24 14:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/05/24 12:15	03/05/24 14:56	1
Total TPH	<50.0	U	50.0		mg/Kg		03/05/24 12:15	03/05/24 14:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				03/05/24 12:15	03/05/24 14:56	1
o-Terphenyl	114		70 - 130				03/05/24 12:15	03/05/24 14:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	406		4.97		mg/Kg			03/08/24 11:42	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-40230-4

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 05:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 05:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 05:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/04/24 16:27	03/07/24 05:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 05:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/04/24 16:27	03/07/24 05:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				03/04/24 16:27	03/07/24 05:06	1
1,4-Difluorobenzene (Surr)	109		70 - 130				03/04/24 16:27	03/07/24 05:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/07/24 05:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/05/24 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/05/24 12:15	03/05/24 15:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/05/24 12:15	03/05/24 15:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/05/24 12:15	03/05/24 15:18	1
Total TPH	<49.9	U	49.9		mg/Kg		03/05/24 12:15	03/05/24 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				03/05/24 12:15	03/05/24 15:18	1
o-Terphenyl	103		70 - 130				03/05/24 12:15	03/05/24 15:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (3')

Lab Sample ID: 880-40230-4

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		5.04		mg/Kg			03/08/24 11:46	1

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

Lab Sample ID: 880-40230-5

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 05:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 05:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 05:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/04/24 16:27	03/07/24 05:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 05:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/04/24 16:27	03/07/24 05:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/04/24 16:27	03/07/24 05:26	1
1,4-Difluorobenzene (Surr)	112		70 - 130	03/04/24 16:27	03/07/24 05:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/07/24 05:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.0		49.8		mg/Kg			03/05/24 15:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/05/24 12:15	03/05/24 15:42	1
Diesel Range Organics (Over C10-C28)	52.0		49.8		mg/Kg		03/05/24 12:15	03/05/24 15:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/05/24 12:15	03/05/24 15:42	1
Total TPH	52.0		49.8		mg/Kg		03/05/24 12:15	03/05/24 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	03/05/24 12:15	03/05/24 15:42	1
o-Terphenyl	112		70 - 130	03/05/24 12:15	03/05/24 15:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43200		253		mg/Kg			03/08/24 11:51	50

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-40230-6

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/04/24 16:27	03/07/24 05:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/04/24 16:27	03/07/24 05:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-40230-6

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/04/24 16:27	03/07/24 05:47	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/04/24 16:27	03/07/24 05:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/04/24 16:27	03/07/24 05:47	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/04/24 16:27	03/07/24 05:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				03/04/24 16:27	03/07/24 05:47	1
1,4-Difluorobenzene (Surr)	115		70 - 130				03/04/24 16:27	03/07/24 05:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			03/07/24 05:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.2		50.0		mg/Kg			03/05/24 16:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/05/24 12:15	03/05/24 16:03	1
Diesel Range Organics (Over C10-C28)	52.2		50.0		mg/Kg		03/05/24 12:15	03/05/24 16:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/05/24 12:15	03/05/24 16:03	1
Total TPH	52.2		50.0		mg/Kg		03/05/24 12:15	03/05/24 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				03/05/24 12:15	03/05/24 16:03	1
o-Terphenyl	105		70 - 130				03/05/24 12:15	03/05/24 16:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	429		5.02		mg/Kg			03/08/24 11:55	1

Client Sample ID: T-2 (2')

Lab Sample ID: 880-40230-7

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/04/24 16:27	03/07/24 06:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/04/24 16:27	03/07/24 06:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/04/24 16:27	03/07/24 06:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/04/24 16:27	03/07/24 06:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/04/24 16:27	03/07/24 06:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/04/24 16:27	03/07/24 06:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				03/04/24 16:27	03/07/24 06:07	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/04/24 16:27	03/07/24 06:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (2')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-7
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/07/24 06:07	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.2	U	50.2		mg/Kg			03/05/24 16:25	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		03/05/24 12:15	03/05/24 16:25	1	
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		03/05/24 12:15	03/05/24 16:25	1	
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		03/05/24 12:15	03/05/24 16:25	1	
Total TPH	<50.2	U	50.2		mg/Kg		03/05/24 12:15	03/05/24 16:25	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	119		70 - 130				03/05/24 12:15	03/05/24 16:25	1	
o-Terphenyl	108		70 - 130				03/05/24 12:15	03/05/24 16:25	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	639		4.95		mg/Kg			03/10/24 16:13	1	

Client Sample ID: T-3 (0-1')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-8
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 06:27	1	
Toluene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 06:27	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 06:27	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/04/24 16:27	03/07/24 06:27	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 06:27	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/04/24 16:27	03/07/24 06:27	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	106		70 - 130				03/04/24 16:27	03/07/24 06:27	1	
1,4-Difluorobenzene (Surr)	110		70 - 130				03/04/24 16:27	03/07/24 06:27	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/07/24 06:27	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.2	U	50.2		mg/Kg			03/05/24 17:08	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		03/05/24 12:15	03/05/24 17:08	1	

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-40230-8

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		03/05/24 12:15	03/05/24 17:08	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		03/05/24 12:15	03/05/24 17:08	1
Total TPH	<50.2	U	50.2		mg/Kg		03/05/24 12:15	03/05/24 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				03/05/24 12:15	03/05/24 17:08	1
o-Terphenyl	104		70 - 130				03/05/24 12:15	03/05/24 17:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6540		50.2		mg/Kg			03/10/24 16:18	10

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-40230-9

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 06:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 06:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 06:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/04/24 16:27	03/07/24 06:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 06:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/04/24 16:27	03/07/24 06:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				03/04/24 16:27	03/07/24 06:48	1
1,4-Difluorobenzene (Surr)	109		70 - 130				03/04/24 16:27	03/07/24 06:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/07/24 06:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			03/05/24 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		03/05/24 12:15	03/05/24 17:29	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		03/05/24 12:15	03/05/24 17:29	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		03/05/24 12:15	03/05/24 17:29	1
Total TPH	<50.2	U	50.2		mg/Kg		03/05/24 12:15	03/05/24 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/05/24 12:15	03/05/24 17:29	1
o-Terphenyl	108		70 - 130				03/05/24 12:15	03/05/24 17:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (1.5')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-9
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.1		5.01		mg/Kg			03/10/24 16:24	1

Client Sample ID: T-3 (2')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-10
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/04/24 16:27	03/07/24 07:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/04/24 16:27	03/07/24 07:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/04/24 16:27	03/07/24 07:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/04/24 16:27	03/07/24 07:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/04/24 16:27	03/07/24 07:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/04/24 16:27	03/07/24 07:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				03/04/24 16:27	03/07/24 07:08	1
1,4-Difluorobenzene (Surr)	113		70 - 130				03/04/24 16:27	03/07/24 07:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/07/24 07:08	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/05/24 17:51	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/05/24 12:15	03/05/24 17:51	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/05/24 12:15	03/05/24 17:51	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/05/24 12:15	03/05/24 17:51	1
Total TPH	<50.1	U	50.1		mg/Kg		03/05/24 12:15	03/05/24 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				03/05/24 12:15	03/05/24 17:51	1
o-Terphenyl	105		70 - 130				03/05/24 12:15	03/05/24 17:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		5.00		mg/Kg			03/10/24 16:30	1

Client Sample ID: T-4 (0-1')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-11
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/04/24 16:27	03/07/24 08:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/04/24 16:27	03/07/24 08:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-40230-11

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/04/24 16:27	03/07/24 08:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/04/24 16:27	03/07/24 08:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/04/24 16:27	03/07/24 08:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/04/24 16:27	03/07/24 08:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				03/04/24 16:27	03/07/24 08:58	1
1,4-Difluorobenzene (Surr)	108		70 - 130				03/04/24 16:27	03/07/24 08:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/07/24 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			03/05/24 18:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		03/05/24 12:15	03/05/24 18:12	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		03/05/24 12:15	03/05/24 18:12	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		03/05/24 12:15	03/05/24 18:12	1
Total TPH	<50.4	U	50.4		mg/Kg		03/05/24 12:15	03/05/24 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				03/05/24 12:15	03/05/24 18:12	1
o-Terphenyl	108		70 - 130				03/05/24 12:15	03/05/24 18:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23000	F1	249		mg/Kg			03/10/24 16:36	50

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-40230-12

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/04/24 16:27	03/07/24 09:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/04/24 16:27	03/07/24 09:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/04/24 16:27	03/07/24 09:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/04/24 16:27	03/07/24 09:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/04/24 16:27	03/07/24 09:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/04/24 16:27	03/07/24 09:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				03/04/24 16:27	03/07/24 09:19	1
1,4-Difluorobenzene (Surr)	108		70 - 130				03/04/24 16:27	03/07/24 09:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (1.5')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-12
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/07/24 09:19	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.5	U	50.5		mg/Kg			03/05/24 18:34	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		03/05/24 12:15	03/05/24 18:34	1	
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		03/05/24 12:15	03/05/24 18:34	1	
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		03/05/24 12:15	03/05/24 18:34	1	
Total TPH	<50.5	U	50.5		mg/Kg		03/05/24 12:15	03/05/24 18:34	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	124		70 - 130				03/05/24 12:15	03/05/24 18:34	1	
o-Terphenyl	113		70 - 130				03/05/24 12:15	03/05/24 18:34	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	967		4.96		mg/Kg			03/10/24 16:53	1	

Client Sample ID: T-4 (2')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-13
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 09:39	1	
Toluene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 09:39	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 09:39	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/04/24 16:27	03/07/24 09:39	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 09:39	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/04/24 16:27	03/07/24 09:39	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	110		70 - 130				03/04/24 16:27	03/07/24 09:39	1	
1,4-Difluorobenzene (Surr)	111		70 - 130				03/04/24 16:27	03/07/24 09:39	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/07/24 09:39	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.4	U	50.4		mg/Kg			03/05/24 18:56	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		03/05/24 12:15	03/05/24 18:56	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (2')

Lab Sample ID: 880-40230-13

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		03/05/24 12:15	03/05/24 18:56	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		03/05/24 12:15	03/05/24 18:56	1
Total TPH	<50.4	U	50.4		mg/Kg		03/05/24 12:15	03/05/24 18:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				03/05/24 12:15	03/05/24 18:56	1
o-Terphenyl	109		70 - 130				03/05/24 12:15	03/05/24 18:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		5.04		mg/Kg			03/10/24 16:59	1

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

Lab Sample ID: 880-40230-14

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 10:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 10:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 10:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/04/24 16:27	03/07/24 10:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/04/24 16:27	03/07/24 10:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/04/24 16:27	03/07/24 10:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				03/04/24 16:27	03/07/24 10:00	1
1,4-Difluorobenzene (Surr)	109		70 - 130				03/04/24 16:27	03/07/24 10:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/07/24 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.2		49.7		mg/Kg			03/05/24 19:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/05/24 12:15	03/05/24 19:17	1
Diesel Range Organics (Over C10-C28)	68.2		49.7		mg/Kg		03/05/24 12:15	03/05/24 19:17	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/05/24 12:15	03/05/24 19:17	1
Total TPH	68.2		49.7		mg/Kg		03/05/24 12:15	03/05/24 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				03/05/24 12:15	03/05/24 19:17	1
o-Terphenyl	111		70 - 130				03/05/24 12:15	03/05/24 19:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (0-1')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-14
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7700		50.4		mg/Kg			03/10/24 17:16	10

Client Sample ID: T-5 (1.5')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-15
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 10:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 10:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 10:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/04/24 16:27	03/07/24 10:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 10:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/04/24 16:27	03/07/24 10:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				03/04/24 16:27	03/07/24 10:20	1
1,4-Difluorobenzene (Surr)	116		70 - 130				03/04/24 16:27	03/07/24 10:20	1

Method: TAL SOP 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			03/07/24 10:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/05/24 19:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/05/24 12:15	03/05/24 19:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/05/24 12:15	03/05/24 19:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/05/24 12:15	03/05/24 19:39	1
Total TPH	<49.8	U	49.8		mg/Kg		03/05/24 12:15	03/05/24 19:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				03/05/24 12:15	03/05/24 19:39	1
o-Terphenyl	107		70 - 130				03/05/24 12:15	03/05/24 19:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	405		5.05		mg/Kg			03/10/24 17:22	1

Client Sample ID: T-5 (2')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-16
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/04/24 16:27	03/07/24 10:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/04/24 16:27	03/07/24 10:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (2')

Lab Sample ID: 880-40230-16

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/04/24 16:27	03/07/24 10:41	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/04/24 16:27	03/07/24 10:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/04/24 16:27	03/07/24 10:41	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/04/24 16:27	03/07/24 10:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				03/04/24 16:27	03/07/24 10:41	1
1,4-Difluorobenzene (Surr)	118		70 - 130				03/04/24 16:27	03/07/24 10:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/07/24 10:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/05/24 20:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/05/24 12:15	03/05/24 20:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/05/24 12:15	03/05/24 20:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/05/24 12:15	03/05/24 20:01	1
Total TPH	<49.9	U	49.9		mg/Kg		03/05/24 12:15	03/05/24 20:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				03/05/24 12:15	03/05/24 20:01	1
o-Terphenyl	116		70 - 130				03/05/24 12:15	03/05/24 20:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		5.02		mg/Kg			03/10/24 17:28	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-40230-1	T-1 (0-1')	88	104				
880-40230-1 MS	T-1 (0-1')	100	102				
880-40230-1 MSD	T-1 (0-1')	103	101				
880-40230-2	T-1 (1.5')	98	110				
880-40230-3	T-1 (2')	105	120				
880-40230-4	T-1 (3')	99	109				
880-40230-5	T-2 (0-1')	114	112				
880-40230-6	T-2 (1.5')	109	115				
880-40230-7	T-2 (2')	108	106				
880-40230-8	T-3 (0-1')	106	110				
880-40230-9	T-3 (1.5')	115	109				
880-40230-10	T-3 (2')	106	113				
880-40230-11	T-4 (0-1')	96	108				
880-40230-12	T-4 (1.5')	104	108				
880-40230-13	T-4 (2')	110	111				
880-40230-14	T-5 (0-1')	117	109				
880-40230-15	T-5 (1.5')	115	116				
880-40230-16	T-5 (2')	124	118				
LCS 880-74703/1-A	Lab Control Sample	102	104				
LCSD 880-74703/2-A	Lab Control Sample Dup	103	96				
MB 880-74703/5-A	Method Blank	152 S1+	154 S1+				
MB 880-74854/39	Method Blank	143 S1+	142 S1+				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-40212-A-1-I MS	Matrix Spike	109	94				
880-40212-A-1-J MSD	Matrix Spike Duplicate	111	97				
880-40230-1	T-1 (0-1')	127	116				
880-40230-2	T-1 (1.5')	132 S1+	119				
880-40230-3	T-1 (2')	126	114				
880-40230-4	T-1 (3')	118	103				
880-40230-5	T-2 (0-1')	121	112				
880-40230-6	T-2 (1.5')	116	105				
880-40230-7	T-2 (2')	119	108				
880-40230-8	T-3 (0-1')	116	104				
880-40230-9	T-3 (1.5')	117	108				
880-40230-10	T-3 (2')	119	105				
880-40230-11	T-4 (0-1')	114	108				
880-40230-12	T-4 (1.5')	124	113				
880-40230-13	T-4 (2')	122	109				
880-40230-14	T-5 (0-1')	124	111				
880-40230-15	T-5 (1.5')	119	107				

Surrogate Summary

Client: Carmona Resources

Job ID: 880-40230-1

Project/Site: Uber East SWD

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-40230-16	T-5 (2')	133 S1+	116
LCS 880-74795/2-A	Lab Control Sample	115	121
LCSD 880-74795/3-A	Lab Control Sample Dup	104	104
MB 880-74795/1-A	Method Blank	125	118
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-74703/5-A
Matrix: Solid
Analysis Batch: 74854

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 03:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 03:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 03:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/04/24 16:27	03/07/24 03:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/24 16:27	03/07/24 03:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/04/24 16:27	03/07/24 03:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130	03/04/24 16:27	03/07/24 03:36	1
1,4-Difluorobenzene (Surr)	154	S1+	70 - 130	03/04/24 16:27	03/07/24 03:36	1

Lab Sample ID: LCS 880-74703/1-A
Matrix: Solid
Analysis Batch: 74854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1121		mg/Kg		112	70 - 130
Toluene	0.100	0.1100		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1149		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2253		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1075		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-74703/2-A
Matrix: Solid
Analysis Batch: 74854

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 74703

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1098		mg/Kg		110	70 - 130	2	35
Toluene	0.100	0.1090		mg/Kg		109	70 - 130	1	35
Ethylbenzene	0.100	0.1088		mg/Kg		109	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2264		mg/Kg		113	70 - 130	1	35
o-Xylene	0.100	0.1086		mg/Kg		109	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-40230-1 MS
Matrix: Solid
Analysis Batch: 74854

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 74703

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.09654		mg/Kg		96	70 - 130
Toluene	<0.00199	U	0.101	0.09012		mg/Kg		89	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-40230-1 MS
Matrix: Solid
Analysis Batch: 74854

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 74703

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.101	0.09044		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1771		mg/Kg		88	70 - 130
o-Xylene	<0.00199	U	0.101	0.08518		mg/Kg		84	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	100		70 - 130						
1,4-Difluorobenzene (Surr)	102		70 - 130						

Lab Sample ID: 880-40230-1 MSD
Matrix: Solid
Analysis Batch: 74854

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 74703

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1055		mg/Kg		105	70 - 130	9	35
Toluene	<0.00199	U	0.100	0.1022		mg/Kg		102	70 - 130	13	35
Ethylbenzene	<0.00199	U	0.100	0.09530		mg/Kg		95	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1947		mg/Kg		97	70 - 130	9	35
o-Xylene	<0.00199	U	0.100	0.09373		mg/Kg		93	70 - 130	10	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

Lab Sample ID: MB 880-74854/39
Matrix: Solid
Analysis Batch: 74854

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			03/06/24 23:58	1
Toluene	<0.00200	U	0.00200		mg/Kg			03/06/24 23:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			03/06/24 23:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			03/06/24 23:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			03/06/24 23:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			03/06/24 23:58	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	142	S1+	70 - 130						

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

Lab Sample ID: MB 880-74795/1-A
Matrix: Solid
Analysis Batch: 74775

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74795

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		03/05/24 08:00	03/05/24 08:11	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-74795/1-A
Matrix: Solid
Analysis Batch: 74775

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74795

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		03/05/24 08:00	03/05/24 08:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/05/24 08:00	03/05/24 08:11	1
Total TPH	<50.0	U	50.0		mg/Kg		03/05/24 08:00	03/05/24 08:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	03/05/24 08:00	03/05/24 08:11	1
o-Terphenyl	118		70 - 130	03/05/24 08:00	03/05/24 08:11	1

Lab Sample ID: LCS 880-74795/2-A
Matrix: Solid
Analysis Batch: 74775

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1172		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	1000	994.6		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: LCSD 880-74795/3-A
Matrix: Solid
Analysis Batch: 74775

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 74795

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1088		mg/Kg		109	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	889.7		mg/Kg		89	70 - 130	11	20

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

Lab Sample ID: 880-40212-A-1-I MS
Matrix: Solid
Analysis Batch: 74775

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 74795

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	991	1241		mg/Kg		121	70 - 130
Diesel Range Organics (Over C10-C28)	96.3		991	888.9		mg/Kg		80	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	109		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-40212-A-1-I MS
Matrix: Solid
Analysis Batch: 74775

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 74795

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	94		70 - 130

Lab Sample ID: 880-40212-A-1-J MSD
Matrix: Solid
Analysis Batch: 74775

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 74795

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	991	1264		mg/Kg		123	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	96.3		991	943.7		mg/Kg		86	70 - 130	6	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	97		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-74623/1-A
Matrix: Solid
Analysis Batch: 74898

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			03/10/24 14:58	1

Lab Sample ID: LCS 880-74623/2-A
Matrix: Solid
Analysis Batch: 74898

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.3		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-74623/3-A
Matrix: Solid
Analysis Batch: 74898

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	259.4		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-40230-11 MS
Matrix: Solid
Analysis Batch: 74898

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	23000	F1	12500	37010	F1	mg/Kg		112	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-40230-11 MSD

Matrix: Solid

Analysis Batch: 74898

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	23000	F1	12500	36910	F1	mg/Kg		112	90 - 110	0	20

Lab Sample ID: MB 880-74622/1-A

Matrix: Solid

Analysis Batch: 75019

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			03/08/24 09:28	1

Lab Sample ID: LCS 880-74622/2-A

Matrix: Solid

Analysis Batch: 75019

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.5		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-74622/3-A

Matrix: Solid

Analysis Batch: 75019

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	244.3		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-40217-A-7-B MS

Matrix: Solid

Analysis Batch: 75019

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	54200		12600	62900	4	mg/Kg		69	90 - 110

Lab Sample ID: 880-40217-A-7-C MSD

Matrix: Solid

Analysis Batch: 75019

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	54200		12600	63240	4	mg/Kg		72	90 - 110	1	20

Lab Sample ID: 880-40221-A-7-B MS

Matrix: Solid

Analysis Batch: 75019

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2410		2520	4757		mg/Kg		93	90 - 110

Lab Sample ID: 880-40221-A-7-C MSD

Matrix: Solid

Analysis Batch: 75019

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	2410		2520	4725		mg/Kg		92	90 - 110	1	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 74703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40230-1	T-1 (0-1')	Total/NA	Solid	5035	
880-40230-2	T-1 (1.5')	Total/NA	Solid	5035	
880-40230-3	T-1 (2')	Total/NA	Solid	5035	
880-40230-4	T-1 (3')	Total/NA	Solid	5035	
880-40230-5	T-2 (0-1')	Total/NA	Solid	5035	
880-40230-6	T-2 (1.5')	Total/NA	Solid	5035	
880-40230-7	T-2 (2')	Total/NA	Solid	5035	
880-40230-8	T-3 (0-1')	Total/NA	Solid	5035	
880-40230-9	T-3 (1.5')	Total/NA	Solid	5035	
880-40230-10	T-3 (2')	Total/NA	Solid	5035	
880-40230-11	T-4 (0-1')	Total/NA	Solid	5035	
880-40230-12	T-4 (1.5')	Total/NA	Solid	5035	
880-40230-13	T-4 (2')	Total/NA	Solid	5035	
880-40230-14	T-5 (0-1')	Total/NA	Solid	5035	
880-40230-15	T-5 (1.5')	Total/NA	Solid	5035	
880-40230-16	T-5 (2')	Total/NA	Solid	5035	
MB 880-74703/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-74703/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-74703/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-40230-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-40230-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 74854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40230-1	T-1 (0-1')	Total/NA	Solid	8021B	74703
880-40230-2	T-1 (1.5')	Total/NA	Solid	8021B	74703
880-40230-3	T-1 (2')	Total/NA	Solid	8021B	74703
880-40230-4	T-1 (3')	Total/NA	Solid	8021B	74703
880-40230-5	T-2 (0-1')	Total/NA	Solid	8021B	74703
880-40230-6	T-2 (1.5')	Total/NA	Solid	8021B	74703
880-40230-7	T-2 (2')	Total/NA	Solid	8021B	74703
880-40230-8	T-3 (0-1')	Total/NA	Solid	8021B	74703
880-40230-9	T-3 (1.5')	Total/NA	Solid	8021B	74703
880-40230-10	T-3 (2')	Total/NA	Solid	8021B	74703
880-40230-11	T-4 (0-1')	Total/NA	Solid	8021B	74703
880-40230-12	T-4 (1.5')	Total/NA	Solid	8021B	74703
880-40230-13	T-4 (2')	Total/NA	Solid	8021B	74703
880-40230-14	T-5 (0-1')	Total/NA	Solid	8021B	74703
880-40230-15	T-5 (1.5')	Total/NA	Solid	8021B	74703
880-40230-16	T-5 (2')	Total/NA	Solid	8021B	74703
MB 880-74703/5-A	Method Blank	Total/NA	Solid	8021B	74703
MB 880-74854/39	Method Blank	Total/NA	Solid	8021B	
LCS 880-74703/1-A	Lab Control Sample	Total/NA	Solid	8021B	74703
LCSD 880-74703/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	74703
880-40230-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	74703
880-40230-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	74703

Analysis Batch: 74986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40230-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-40230-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 74986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40230-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-40230-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-40230-5	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-40230-6	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-40230-7	T-2 (2')	Total/NA	Solid	Total BTEX	
880-40230-8	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-40230-9	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-40230-10	T-3 (2')	Total/NA	Solid	Total BTEX	
880-40230-11	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-40230-12	T-4 (1.5')	Total/NA	Solid	Total BTEX	
880-40230-13	T-4 (2')	Total/NA	Solid	Total BTEX	
880-40230-14	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-40230-15	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-40230-16	T-5 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 74775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40230-1	T-1 (0-1')	Total/NA	Solid	8015B NM	74795
880-40230-2	T-1 (1.5')	Total/NA	Solid	8015B NM	74795
880-40230-3	T-1 (2')	Total/NA	Solid	8015B NM	74795
880-40230-4	T-1 (3')	Total/NA	Solid	8015B NM	74795
880-40230-5	T-2 (0-1')	Total/NA	Solid	8015B NM	74795
880-40230-6	T-2 (1.5')	Total/NA	Solid	8015B NM	74795
880-40230-7	T-2 (2')	Total/NA	Solid	8015B NM	74795
880-40230-8	T-3 (0-1')	Total/NA	Solid	8015B NM	74795
880-40230-9	T-3 (1.5')	Total/NA	Solid	8015B NM	74795
880-40230-10	T-3 (2')	Total/NA	Solid	8015B NM	74795
880-40230-11	T-4 (0-1')	Total/NA	Solid	8015B NM	74795
880-40230-12	T-4 (1.5')	Total/NA	Solid	8015B NM	74795
880-40230-13	T-4 (2')	Total/NA	Solid	8015B NM	74795
880-40230-14	T-5 (0-1')	Total/NA	Solid	8015B NM	74795
880-40230-15	T-5 (1.5')	Total/NA	Solid	8015B NM	74795
880-40230-16	T-5 (2')	Total/NA	Solid	8015B NM	74795
MB 880-74795/1-A	Method Blank	Total/NA	Solid	8015B NM	74795
LCS 880-74795/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	74795
LCSD 880-74795/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	74795
880-40212-A-1-I MS	Matrix Spike	Total/NA	Solid	8015B NM	74795
880-40212-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	74795

Prep Batch: 74795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40230-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-40230-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-40230-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-40230-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-40230-5	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-40230-6	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-40230-7	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-40230-8	T-3 (0-1')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 74795 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40230-9	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-40230-10	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-40230-11	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-40230-12	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-40230-13	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-40230-14	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-40230-15	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-40230-16	T-5 (2')	Total/NA	Solid	8015NM Prep	
MB 880-74795/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-74795/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-74795/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-40212-A-1-I MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-40212-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 74887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40230-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-40230-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-40230-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-40230-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-40230-5	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-40230-6	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-40230-7	T-2 (2')	Total/NA	Solid	8015 NM	
880-40230-8	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-40230-9	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-40230-10	T-3 (2')	Total/NA	Solid	8015 NM	
880-40230-11	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-40230-12	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-40230-13	T-4 (2')	Total/NA	Solid	8015 NM	
880-40230-14	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-40230-15	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-40230-16	T-5 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 74622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40230-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-40230-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-40230-3	T-1 (2')	Soluble	Solid	DI Leach	
880-40230-4	T-1 (3')	Soluble	Solid	DI Leach	
880-40230-5	T-2 (0-1')	Soluble	Solid	DI Leach	
880-40230-6	T-2 (1.5')	Soluble	Solid	DI Leach	
MB 880-74622/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-74622/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-74622/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-40217-A-7-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-40217-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-40221-A-7-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-40221-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

HPLC/IC

Leach Batch: 74623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40230-7	T-2 (2')	Soluble	Solid	DI Leach	
880-40230-8	T-3 (0-1')	Soluble	Solid	DI Leach	
880-40230-9	T-3 (1.5')	Soluble	Solid	DI Leach	
880-40230-10	T-3 (2')	Soluble	Solid	DI Leach	
880-40230-11	T-4 (0-1')	Soluble	Solid	DI Leach	
880-40230-12	T-4 (1.5')	Soluble	Solid	DI Leach	
880-40230-13	T-4 (2')	Soluble	Solid	DI Leach	
880-40230-14	T-5 (0-1')	Soluble	Solid	DI Leach	
880-40230-15	T-5 (1.5')	Soluble	Solid	DI Leach	
880-40230-16	T-5 (2')	Soluble	Solid	DI Leach	
MB 880-74623/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-74623/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-74623/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-40230-11 MS	T-4 (0-1')	Soluble	Solid	DI Leach	
880-40230-11 MSD	T-4 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 74898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40230-7	T-2 (2')	Soluble	Solid	300.0	74623
880-40230-8	T-3 (0-1')	Soluble	Solid	300.0	74623
880-40230-9	T-3 (1.5')	Soluble	Solid	300.0	74623
880-40230-10	T-3 (2')	Soluble	Solid	300.0	74623
880-40230-11	T-4 (0-1')	Soluble	Solid	300.0	74623
880-40230-12	T-4 (1.5')	Soluble	Solid	300.0	74623
880-40230-13	T-4 (2')	Soluble	Solid	300.0	74623
880-40230-14	T-5 (0-1')	Soluble	Solid	300.0	74623
880-40230-15	T-5 (1.5')	Soluble	Solid	300.0	74623
880-40230-16	T-5 (2')	Soluble	Solid	300.0	74623
MB 880-74623/1-A	Method Blank	Soluble	Solid	300.0	74623
LCS 880-74623/2-A	Lab Control Sample	Soluble	Solid	300.0	74623
LCSD 880-74623/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	74623
880-40230-11 MS	T-4 (0-1')	Soluble	Solid	300.0	74623
880-40230-11 MSD	T-4 (0-1')	Soluble	Solid	300.0	74623

Analysis Batch: 75019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40230-1	T-1 (0-1')	Soluble	Solid	300.0	74622
880-40230-2	T-1 (1.5')	Soluble	Solid	300.0	74622
880-40230-3	T-1 (2')	Soluble	Solid	300.0	74622
880-40230-4	T-1 (3')	Soluble	Solid	300.0	74622
880-40230-5	T-2 (0-1')	Soluble	Solid	300.0	74622
880-40230-6	T-2 (1.5')	Soluble	Solid	300.0	74622
MB 880-74622/1-A	Method Blank	Soluble	Solid	300.0	74622
LCS 880-74622/2-A	Lab Control Sample	Soluble	Solid	300.0	74622
LCSD 880-74622/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	74622
880-40217-A-7-B MS	Matrix Spike	Soluble	Solid	300.0	74622
880-40217-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	74622
880-40221-A-7-B MS	Matrix Spike	Soluble	Solid	300.0	74622
880-40221-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	74622

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (0-1')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 04:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 04:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 14:13	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 14:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	74622	03/04/24 11:50	SMC	EET MID
Soluble	Analysis	300.0		10			75019	03/08/24 11:33	CH	EET MID

Client Sample ID: T-1 (1.5')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-2
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			4.98 g	5 mL	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 04:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 04:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 14:34	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	74622	03/04/24 11:50	SMC	EET MID
Soluble	Analysis	300.0		1			75019	03/08/24 11:37	CH	EET MID

Client Sample ID: T-1 (2')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-3
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			4.95 g	5 mL	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 04:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 04:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 14:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 14:56	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	74622	03/04/24 11:50	SMC	EET MID
Soluble	Analysis	300.0		1			75019	03/08/24 11:42	CH	EET MID

Client Sample ID: T-1 (3')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 05:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 05:06	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (3')

Date Collected: 02/28/24 00:00

Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			74887	03/05/24 15:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 15:18	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	74622	03/04/24 11:50	SMC	EET MID
Soluble	Analysis	300.0		1			75019	03/08/24 11:46	CH	EET MID

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

Date Collected: 02/28/24 00:00

Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-5

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			5.03 g	5 mL	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 05:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 05:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 15:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 15:42	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	74622	03/04/24 11:50	SMC	EET MID
Soluble	Analysis	300.0		50			75019	03/08/24 11:51	CH	EET MID

Client Sample ID: T-2 (1.5')

Date Collected: 02/28/24 00:00

Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 05:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 05:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 16:03	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	74622	03/04/24 11:50	SMC	EET MID
Soluble	Analysis	300.0		1			75019	03/08/24 11:55	CH	EET MID

Client Sample ID: T-2 (2')

Date Collected: 02/28/24 00:00

Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-7

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	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 06:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 06:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 16:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 16:25	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (2')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-7
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			5.05 g	50 mL	74623	03/04/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		1			74898	03/10/24 16:13	CH	EET MID

Client Sample ID: T-3 (0-1')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 06:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 06:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 17:08	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	74623	03/04/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		10			74898	03/10/24 16:18	CH	EET MID

Client Sample ID: T-3 (1.5')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-9
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	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 06:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 06:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 17:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 17:29	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	74623	03/04/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		1			74898	03/10/24 16:24	CH	EET MID

Client Sample ID: T-3 (2')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-10
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	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 07:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 07:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 17:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 17:51	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	74623	03/04/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		1			74898	03/10/24 16:30	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (0-1')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 08:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 08:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 18:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 18:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	74623	03/04/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		50			74898	03/10/24 16:36	CH	EET MID

Client Sample ID: T-4 (1.5')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 09:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 18:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 18:34	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	74623	03/04/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		1			74898	03/10/24 16:53	CH	EET MID

Client Sample ID: T-4 (2')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 09:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 09:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 18:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 18:56	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	74623	03/04/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		1			74898	03/10/24 16:59	CH	EET MID

Client Sample ID: T-5 (0-1')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 10:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 10:00	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (0-1')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-14
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			74887	03/05/24 19:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 19:17	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	74623	03/04/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		10			74898	03/10/24 17:16	CH	EET MID

Client Sample ID: T-5 (1.5')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-15
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	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 10:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 10:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 19:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 19:39	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	74623	03/04/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		1			74898	03/10/24 17:22	CH	EET MID

Client Sample ID: T-5 (2')
Date Collected: 02/28/24 00:00
Date Received: 03/04/24 10:38

Lab Sample ID: 880-40230-16
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	74703	03/04/24 16:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74854	03/07/24 10:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74986	03/07/24 10:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			74887	03/05/24 20:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	74795	03/05/24 12:15	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 20:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	74623	03/04/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		1			74898	03/10/24 17:28	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: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
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)
8015B NM	8015NM Prep	Solid	Total TPH
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: Uber East SWD

Job ID: 880-40230-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Uber East SWD

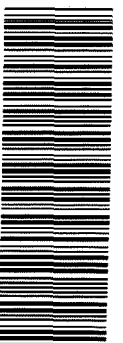
Job ID: 880-40230-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-40230-1	T-1 (0-1')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-2	T-1 (1.5')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-3	T-1 (2')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-4	T-1 (3')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-5	T-2 (0-1')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-6	T-2 (1.5')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-7	T-2 (2')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-8	T-3 (0-1')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-9	T-3 (1.5')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-10	T-3 (2')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-11	T-4 (0-1')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-12	T-4 (1.5')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-13	T-4 (2')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-14	T-5 (0-1')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-15	T-5 (1.5')	Solid	02/28/24 00:00	03/04/24 10:38
880-40230-16	T-5 (2')	Solid	02/28/24 00:00	03/04/24 10:38

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- 13
- 14

Chain of Custody



880-40230 Chain of Custody

Project Manager	Connor Moehring	Bill to: (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name:	NGI Water Solutions Permian
Address:	310 W Wall St Ste 500	Address:	865 N Albino Street Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone:	(432) 813-6823	Email	Joseph.Vargo@nglep.com
Work Order Comments Program: UST/PST ☐ PRP ☐ Brownfields ☐ IRC ☐ perfund ☐ State of Project: Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐ Deliverables EDD ☐ ADAPT ☐ Other			

Project Name	Uber East SWD	☒ Routine ☐ Rush		Pres. Code	ANALYSIS REQUEST												Preservative Codes								
Project Number	2270																None NO	DI Water H ₂ O							
Project Location	Eddy County New Mexico	Due Date															Cool Cool	MeOH Me							
Sample's Name:	GPJ																HCL HC	HNO ₃ HN							
PO #:																	H ₂ SO ₄ H ₂	NaOH Na							
SAMPLE RECEIPT				Temp Blank:	Yes No	Wet Ice	Yes No													H ₃ PO ₄ HP					
Received Intact:	Yes No	Thermometer ID															NaHSO ₄ NABIS								
Cooler Custody Seals:	Yes No	Correction Factor															Na ₂ S ₂ O ₃ NaSO ₃								
Sample Custody Seals:	Yes No	Temperature Reading															Zn Acetate+NaOH Zn								
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid SAPC								
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
T-1 (0-1')				2/28/2024		X		G	1	X	X	X													
T-1 (1.5')				2/28/2024		X		G	1	X	X	X													
T-1 (2')				2/28/2024		X		G	1	X	X	X													
T-1 (3')				2/28/2024		X		G	1	X	X	X													
T-2 (0-1')				2/28/2024		X		G	1	X	X	X													
T-2 (1.5')				2/28/2024		X		G	1	X	X	X													
T-2 (2')				2/28/2024		X		G	1	X	X	X													
T-3 (0-1')				2/28/2024		X		G	1	X	X	X													
T-3 (1.5')				2/28/2024		X		G	1	X	X	X													
T-3 (2')				2/28/2024		X		G	1	X	X	X													

Comments: Email to Mike Carmona / mcarmona@carmonarresources.com and Connor Moehring / Cmoehring@carmonarresources.com

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
		3/4/24			
		1038			

Chain of Custody

Work Order No.: - Loc: 880
40230

2

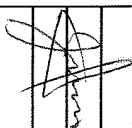
Project Manager	Connor Moehring	Bill to: (if different)	Joseph Varco
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 500	Address	865 N Albino Street Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	(432) 813-6823	Email	Joseph.Varco@nnglep.com

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

Project Name	Uber East SWD	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number	2270																None NO	DI Water H ₂ O	
Project Location	Eddy County New Mexico	Due Date															Cool Cool	MeOH Me	
Sampler's Name	GPJ																HCL HC	HNO ₃ HN	
PO #:																	H ₂ SO ₄ H ₂	NaOH Na	
SAMPLE RECEIPT	Temp Blank	Yes No	Thermometer ID	Wellce	Yes No													H ₃ PO ₄ HP	
Received Intact:	Yes No																	NaHSO ₄ NABIS	
Cooler Custody Seals	Yes No N/A		Correction Factor															Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes No N/A		Temperature Reading															Zn Acetate+NaOH Zn	
Total Containers			Corrected Temperature															NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
T-4 (0-1')	2/29/2024		X		G	1	BTEX 8021B												
T-4 (1-5')	2/29/2024		X		G	1	TPH 8015M (GRO + DRO + MRO)												
T-4 (2')	2/29/2024		X		G	1	Chloride 300.0												
T-5 (0-1')	2/29/2024		X		G	1	X	X	X	X	X	X	X	X	X	X			
T-5 (1-5')	2/29/2024		X		G	1	X	X	X	X	X	X	X	X	X	X			
T-5 (2')	2/29/2024		X		G	1	X	X	X	X	X	X	X	X	X	X			

Comments: Email to Mike Carmona / Mccarmona@carmonaresources.com and Connor Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	3/4/24 1038		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-40230-1
SDG Number: Eddy County, New Mexico

Login Number: 40230
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 2/26/2024 3:54:25 PM

JOB DESCRIPTION

Uber East SWD
Eddy Conty ,New Mexico

JOB NUMBER

880-39530-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



Generated
2/26/2024 3:54:25 PM

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

Client: Carmona Resources
Project/Site: Uber East SWD

Laboratory Job ID: 880-39530-1
SDG: Eddy Conty ,New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy Conty ,New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Uber East SWD

Job ID: 880-39530-1

Job ID: 880-39530-1

Eurofins Midland

Job Narrative
880-39530-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 2/16/2024 3:04 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 1.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA-1 (0-0.5) (880-39530-1), HA-2 (0-0.5) (880-39530-2), HA-3 (0-0.5) (880-39530-3), HA-4 (0-0.5) (880-39530-4) and HA-5 (0-0.5) (880-39530-5).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-73889 and analytical batch 880-73976 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-73802 and analytical batch 880-73977 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (MB 880-73802/5-A) and (MB 880-73934/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-73889 and analytical batch 880-73976 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-73976 recovered above the upper control limit for Ethylbenzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-73976/64).

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-73439 and analytical batch 880-73600 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA-1 (0-0.5) (880-39530-1), HA-2 (0-0.5) (880-39530-2), HA-3 (0-0.5) (880-39530-3), HA-4 (0-0.5) (880-39530-4), HA-5 (0-0.5) (880-39530-5) and (880-39505-A-2-B MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-73439 and analytical batch 880-73600 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-73439 and analytical batch 880-73600 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix

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Case Narrative

Client: Carmona Resources
Project: Uber East SWD

Job ID: 880-39530-1

Job ID: 880-39530-1 (Continued) **Eurofins Midland**

interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy County, New Mexico

Client Sample ID: HA-1 (0-0.5)

Lab Sample ID: 880-39530-1

Date Collected: 02/12/24 00:00

Matrix: Solid

Date Received: 02/16/24 15:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/22/24 16:19	02/25/24 19:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/22/24 16:19	02/25/24 19:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/22/24 16:19	02/25/24 19:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/22/24 16:19	02/25/24 19:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/22/24 16:19	02/25/24 19:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/22/24 16:19	02/25/24 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	02/22/24 16:19	02/25/24 19:19	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/22/24 16:19	02/25/24 19:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/25/24 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/21/24 00:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/19/24 09:07	02/21/24 00:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/19/24 09:07	02/21/24 00:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/19/24 09:07	02/21/24 00:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	23	S1-	70 - 130	02/19/24 09:07	02/21/24 00:42	1
o-Terphenyl	13	S1-	70 - 130	02/19/24 09:07	02/21/24 00:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.3		4.97		mg/Kg			02/20/24 17:41	1

Client Sample ID: HA-2 (0-0.5)

Lab Sample ID: 880-39530-2

Date Collected: 02/12/24 00:00

Matrix: Solid

Date Received: 02/16/24 15:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/22/24 16:19	02/25/24 19:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/22/24 16:19	02/25/24 19:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/22/24 16:19	02/25/24 19:39	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/22/24 16:19	02/25/24 19:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/22/24 16:19	02/25/24 19:39	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/22/24 16:19	02/25/24 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/22/24 16:19	02/25/24 19:39	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/22/24 16:19	02/25/24 19:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy County, New Mexico

Client Sample ID: HA-2 (0-0.5)

Lab Sample ID: 880-39530-2

Date Collected: 02/12/24 00:00

Matrix: Solid

Date Received: 02/16/24 15:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/25/24 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/21/24 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/19/24 09:07	02/21/24 01:05	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/19/24 09:07	02/21/24 01:05	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/19/24 09:07	02/21/24 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				02/19/24 09:07	02/21/24 01:05	1
o-Terphenyl	66	S1-	70 - 130				02/19/24 09:07	02/21/24 01:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.6		5.01		mg/Kg			02/20/24 17:48	1

Client Sample ID: HA-3 (0-0.5)

Lab Sample ID: 880-39530-3

Date Collected: 02/12/24 00:00

Matrix: Solid

Date Received: 02/16/24 15:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/22/24 16:19	02/25/24 20:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/22/24 16:19	02/25/24 20:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/22/24 16:19	02/25/24 20:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/22/24 16:19	02/25/24 20:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/22/24 16:19	02/25/24 20:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/22/24 16:19	02/25/24 20:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				02/22/24 16:19	02/25/24 20:00	1
1,4-Difluorobenzene (Surr)	103		70 - 130				02/22/24 16:19	02/25/24 20:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/25/24 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/21/24 01:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/19/24 09:07	02/21/24 01:29	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/19/24 09:07	02/21/24 01:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy County, New Mexico

Client Sample ID: HA-3 (0-0.5)

Lab Sample ID: 880-39530-3

Date Collected: 02/12/24 00:00

Matrix: Solid

Date Received: 02/16/24 15:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/19/24 09:07	02/21/24 01:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	26	S1-	70 - 130				02/19/24 09:07	02/21/24 01:29	1
o-Terphenyl	19	S1-	70 - 130				02/19/24 09:07	02/21/24 01:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.3		5.02		mg/Kg			02/20/24 17:55	1

Client Sample ID: HA-4 (0-0.5)

Lab Sample ID: 880-39530-4

Date Collected: 02/12/24 00:00

Matrix: Solid

Date Received: 02/16/24 15:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/22/24 16:19	02/25/24 20:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/22/24 16:19	02/25/24 20:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/22/24 16:19	02/25/24 20:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/22/24 16:19	02/25/24 20:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/22/24 16:19	02/25/24 20:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/22/24 16:19	02/25/24 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				02/22/24 16:19	02/25/24 20:20	1
1,4-Difluorobenzene (Surr)	109		70 - 130				02/22/24 16:19	02/25/24 20:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/25/24 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/21/24 01:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		02/19/24 09:07	02/21/24 01:51	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/19/24 09:07	02/21/24 01:51	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/19/24 09:07	02/21/24 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	29	S1-	70 - 130				02/19/24 09:07	02/21/24 01:51	1
o-Terphenyl	25	S1-	70 - 130				02/19/24 09:07	02/21/24 01:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.5		5.00		mg/Kg			02/20/24 18:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy County, New Mexico

Client Sample ID: HA-5 (0-0.5)

Lab Sample ID: 880-39530-5

Date Collected: 02/12/24 00:00

Matrix: Solid

Date Received: 02/16/24 15:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/22/24 16:19	02/25/24 20:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/22/24 16:19	02/25/24 20:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/22/24 16:19	02/25/24 20:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/22/24 16:19	02/25/24 20:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/22/24 16:19	02/25/24 20:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/22/24 16:19	02/25/24 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	02/22/24 16:19	02/25/24 20:41	1
1,4-Difluorobenzene (Surr)	113		70 - 130	02/22/24 16:19	02/25/24 20:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/25/24 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/21/24 02:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/19/24 09:07	02/21/24 02:37	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/19/24 09:07	02/21/24 02:37	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/19/24 09:07	02/21/24 02:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	25	S1-	70 - 130	02/19/24 09:07	02/21/24 02:37	1
o-Terphenyl	20	S1-	70 - 130	02/19/24 09:07	02/21/24 02:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.0		5.00		mg/Kg			02/20/24 18:36	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy Conty ,New Mexico

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-39506-A-2-E MS	Matrix Spike	115	97
880-39506-A-2-F MSD	Matrix Spike Duplicate	106	96
880-39530-1	HA-1 (0-0.5)	118	111
880-39530-2	HA-2 (0-0.5)	114	105
880-39530-3	HA-3 (0-0.5)	113	103
880-39530-4	HA-4 (0-0.5)	113	109
880-39530-5	HA-5 (0-0.5)	118	113
890-6208-A-21-E MS	Matrix Spike	100	109
890-6208-A-21-F MSD	Matrix Spike Duplicate	98	111
LCS 880-73802/1-A	Lab Control Sample	108	112
LCS 880-73889/1-A	Lab Control Sample	117	96
LCSD 880-73802/2-A	Lab Control Sample Dup	110	120
LCSD 880-73889/2-A	Lab Control Sample Dup	106	97
MB 880-73802/5-A	Method Blank	68 S1-	100
MB 880-73889/5-A	Method Blank	131 S1+	111
MB 880-73892/5-A	Method Blank	129	111
MB 880-73934/5-A	Method Blank	67 S1-	106
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)
880-39505-A-2-B MS	Matrix Spike	67 S1-	66 S1-
880-39505-A-2-C MSD	Matrix Spike Duplicate	79	75
880-39530-1	HA-1 (0-0.5)	23 S1-	13 S1-
880-39530-2	HA-2 (0-0.5)	68 S1-	66 S1-
880-39530-3	HA-3 (0-0.5)	26 S1-	19 S1-
880-39530-4	HA-4 (0-0.5)	29 S1-	25 S1-
880-39530-5	HA-5 (0-0.5)	25 S1-	20 S1-
LCS 880-73439/2-A	Lab Control Sample	97	99
LCSD 880-73439/3-A	Lab Control Sample Dup	86	86
MB 880-73439/1-A	Method Blank	133 S1+	152 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73802/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73977							Prep Batch: 73802		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 15:27	02/25/24 00:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 15:27	02/25/24 00:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 15:27	02/25/24 00:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/21/24 15:27	02/25/24 00:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 15:27	02/25/24 00:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/24 15:27	02/25/24 00:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130				02/21/24 15:27	02/25/24 00:21	1
1,4-Difluorobenzene (Surr)	100		70 - 130				02/21/24 15:27	02/25/24 00:21	1

Lab Sample ID: LCS 880-73802/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73977							Prep Batch: 73802		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.09199		mg/Kg		92	70 - 130	
Toluene		0.100	0.07926		mg/Kg		79	70 - 130	
Ethylbenzene		0.100	0.08616		mg/Kg		86	70 - 130	
m-Xylene & p-Xylene		0.200	0.1798		mg/Kg		90	70 - 130	
o-Xylene		0.100	0.09995		mg/Kg		100	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	108		70 - 130						
1,4-Difluorobenzene (Surr)	112		70 - 130						

Lab Sample ID: LCSD 880-73802/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 73977							Prep Batch: 73802			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.09733		mg/Kg		97	70 - 130	6	35
Toluene		0.100	0.09044		mg/Kg		90	70 - 130	13	35
Ethylbenzene		0.100	0.09546		mg/Kg		95	70 - 130	10	35
m-Xylene & p-Xylene		0.200	0.1997		mg/Kg		100	70 - 130	11	35
o-Xylene		0.100	0.1051		mg/Kg		105	70 - 130	5	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	110		70 - 130							
1,4-Difluorobenzene (Surr)	120		70 - 130							

Lab Sample ID: 890-6208-A-21-E MS							Client Sample ID: Matrix Spike		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73977							Prep Batch: 73802		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.101	0.05346	F1	mg/Kg		53	70 - 130
Toluene	<0.00199	U F2 F1	0.101	0.04211	F1	mg/Kg		42	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-6208-A-21-E MS

Matrix: Solid

Analysis Batch: 73977

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 73802

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.101	0.05338	F1	mg/Kg		53	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.1094	F1	mg/Kg		54	70 - 130
o-Xylene	<0.00199	U F1	0.101	0.05727	F1	mg/Kg		57	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 890-6208-A-21-F MSD

Matrix: Solid

Analysis Batch: 73977

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 73802

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.06937	F1	mg/Kg		69	70 - 130	26	35
Toluene	<0.00199	U F2 F1	0.100	0.06657	F2 F1	mg/Kg		67	70 - 130	45	35
Ethylbenzene	<0.00199	U F1	0.100	0.06720	F1	mg/Kg		67	70 - 130	23	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1375	F1	mg/Kg		69	70 - 130	23	35
o-Xylene	<0.00199	U F1	0.100	0.06853	F1	mg/Kg		69	70 - 130	18	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: MB 880-73889/5-A

Matrix: Solid

Analysis Batch: 73976

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/24 16:19	02/25/24 13:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/24 16:19	02/25/24 13:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/24 16:19	02/25/24 13:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/22/24 16:19	02/25/24 13:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/24 16:19	02/25/24 13:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/22/24 16:19	02/25/24 13:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	02/22/24 16:19	02/25/24 13:13	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/22/24 16:19	02/25/24 13:13	1

Lab Sample ID: LCS 880-73889/1-A

Matrix: Solid

Analysis Batch: 73976

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 73889

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1113		mg/Kg		111	70 - 130
Toluene	0.100	0.09857		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1221		mg/Kg		122	70 - 130
m-Xylene & p-Xylene	0.200	0.2081		mg/Kg		104	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-73889/1-A

Matrix: Solid

Analysis Batch: 73976

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 73889

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09864		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-73889/2-A

Matrix: Solid

Analysis Batch: 73976

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 73889

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1135		mg/Kg		113	70 - 130	2	35
Toluene	0.100	0.1007		mg/Kg		101	70 - 130	2	35
Ethylbenzene	0.100	0.1179		mg/Kg		118	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2002		mg/Kg		100	70 - 130	4	35
o-Xylene	0.100	0.09816		mg/Kg		98	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-39506-A-2-E MS

Matrix: Solid

Analysis Batch: 73976

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 73889

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.09522		mg/Kg		94	70 - 130
Toluene	<0.00199	U	0.101	0.08802		mg/Kg		87	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.08701		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.1508		mg/Kg		75	70 - 130
o-Xylene	<0.00199	U F1	0.101	0.07694		mg/Kg		76	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-39506-A-2-F MSD

Matrix: Solid

Analysis Batch: 73976

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 73889

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.07196		mg/Kg		72	70 - 130	28	35
Toluene	<0.00199	U	0.100	0.06983		mg/Kg		70	70 - 130	23	35
Ethylbenzene	<0.00199	U	0.100	0.07369		mg/Kg		73	70 - 130	17	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1384	F1	mg/Kg		69	70 - 130	9	35
o-Xylene	<0.00199	U F1	0.100	0.06431	F1	mg/Kg		64	70 - 130	18	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-39506-A-2-F MSD
Matrix: Solid
Analysis Batch: 73976

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 73889

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

Lab Sample ID: MB 880-73892/5-A
Matrix: Solid
Analysis Batch: 73976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73892

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/24 16:35	02/25/24 01:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/24 16:35	02/25/24 01:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/24 16:35	02/25/24 01:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/22/24 16:35	02/25/24 01:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/24 16:35	02/25/24 01:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/22/24 16:35	02/25/24 01:35	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	129		70 - 130	02/22/24 16:35	02/25/24 01:35	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/22/24 16:35	02/25/24 01:35	1

Lab Sample ID: MB 880-73934/5-A
Matrix: Solid
Analysis Batch: 73977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73934

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		02/23/24 14:05	02/24/24 13:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/23/24 14:05	02/24/24 13:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/23/24 14:05	02/24/24 13:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/23/24 14:05	02/24/24 13:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/23/24 14:05	02/24/24 13:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/23/24 14:05	02/24/24 13:35	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	02/23/24 14:05	02/24/24 13:35	1
1,4-Difluorobenzene (Surr)	106		70 - 130	02/23/24 14:05	02/24/24 13:35	1

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

Lab Sample ID: MB 880-73439/1-A
Matrix: Solid
Analysis Batch: 73600

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73439

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/19/24 09:06	02/20/24 20:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/19/24 09:06	02/20/24 20:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/19/24 09:06	02/20/24 20:27	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-73439/1-A
Matrix: Solid
Analysis Batch: 73600

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73439

Surrogate	MB MB		Limits	Prepared		Dil Fac
	%Recovery	Qualifier			Analyzed	
1-Chlorooctane	133	S1+	70 - 130	02/19/24 09:06	02/20/24 20:27	1
o-Terphenyl	152	S1+	70 - 130	02/19/24 09:06	02/20/24 20:27	1

Lab Sample ID: LCS 880-73439/2-A
Matrix: Solid
Analysis Batch: 73600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73439

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	819.0		mg/Kg		82	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	897.7		mg/Kg		90	70 - 130	
Surrogate	LCS LCS		Limits					
	%Recovery	Qualifier						
1-Chlorooctane	97		70 - 130					
o-Terphenyl	99		70 - 130					

Lab Sample ID: LCSD 880-73439/3-A
Matrix: Solid
Analysis Batch: 73600

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73439

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	802.7		mg/Kg		80	70 - 130		2	20
Diesel Range Organics (Over C10-C28)	1000	866.2		mg/Kg		87	70 - 130		4	20
Surrogate	LCSD LCSD		Limits							
	%Recovery	Qualifier								
1-Chlorooctane	86		70 - 130							
o-Terphenyl	86		70 - 130							

Lab Sample ID: 880-39505-A-2-B MS
Matrix: Solid
Analysis Batch: 73600

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 73439

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.5	U F1	1010	624.1	F1	mg/Kg		58	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.5	U F1	1010	507.1	F1	mg/Kg		48	70 - 130	
Surrogate	MS MS		Limits							
	%Recovery	Qualifier								
1-Chlorooctane	67	S1-	70 - 130							
o-Terphenyl	66	S1-	70 - 130							

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy Conty ,New Mexico

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

Lab Sample ID: 880-39505-A-2-C MSD

Matrix: Solid

Analysis Batch: 73600

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 73439

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limits
Gasoline Range Organics (GRO)-C6-C10	<49.5	U F1	1010	700.5	F1	mg/Kg		65	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.5	U F1	1010	583.6	F1	mg/Kg		55	70 - 130	14	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	79		70 - 130								
o-Terphenyl	75		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-73544/1-A

Matrix: Solid

Analysis Batch: 73636

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			02/20/24 16:00	1

Lab Sample ID: LCS 880-73544/2-A

Matrix: Solid

Analysis Batch: 73636

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.4		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-73544/3-A

Matrix: Solid

Analysis Batch: 73636

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSO	LCSO				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	263.2		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 880-39530-3 MS

Matrix: Solid

Analysis Batch: 73636

Client Sample ID: HA-3 (0-0.5)

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloride	49.3		251	306.2		mg/Kg		102	90 - 110		

Lab Sample ID: 880-39530-3 MSD

Matrix: Solid

Analysis Batch: 73636

Client Sample ID: HA-3 (0-0.5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Chloride	49.3		251	306.2		mg/Kg		102	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 73802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-73802/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73802/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73802/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6208-A-21-E MS	Matrix Spike	Total/NA	Solid	5035	
890-6208-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 73889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39530-1	HA-1 (0-0.5)	Total/NA	Solid	5035	
880-39530-2	HA-2 (0-0.5)	Total/NA	Solid	5035	
880-39530-3	HA-3 (0-0.5)	Total/NA	Solid	5035	
880-39530-4	HA-4 (0-0.5)	Total/NA	Solid	5035	
880-39530-5	HA-5 (0-0.5)	Total/NA	Solid	5035	
MB 880-73889/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73889/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73889/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39506-A-2-E MS	Matrix Spike	Total/NA	Solid	5035	
880-39506-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 73892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-73892/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 73934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-73934/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 73976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39530-1	HA-1 (0-0.5)	Total/NA	Solid	8021B	73889
880-39530-2	HA-2 (0-0.5)	Total/NA	Solid	8021B	73889
880-39530-3	HA-3 (0-0.5)	Total/NA	Solid	8021B	73889
880-39530-4	HA-4 (0-0.5)	Total/NA	Solid	8021B	73889
880-39530-5	HA-5 (0-0.5)	Total/NA	Solid	8021B	73889
MB 880-73889/5-A	Method Blank	Total/NA	Solid	8021B	73889
MB 880-73892/5-A	Method Blank	Total/NA	Solid	8021B	73892
LCS 880-73889/1-A	Lab Control Sample	Total/NA	Solid	8021B	73889
LCSD 880-73889/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73889
880-39506-A-2-E MS	Matrix Spike	Total/NA	Solid	8021B	73889
880-39506-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	73889

Analysis Batch: 73977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-73802/5-A	Method Blank	Total/NA	Solid	8021B	73802
MB 880-73934/5-A	Method Blank	Total/NA	Solid	8021B	73934
LCS 880-73802/1-A	Lab Control Sample	Total/NA	Solid	8021B	73802
LCSD 880-73802/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73802
890-6208-A-21-E MS	Matrix Spike	Total/NA	Solid	8021B	73802
890-6208-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	73802

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 74037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39530-1	HA-1 (0-0.5)	Total/NA	Solid	Total BTEX	
880-39530-2	HA-2 (0-0.5)	Total/NA	Solid	Total BTEX	
880-39530-3	HA-3 (0-0.5)	Total/NA	Solid	Total BTEX	
880-39530-4	HA-4 (0-0.5)	Total/NA	Solid	Total BTEX	
880-39530-5	HA-5 (0-0.5)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 73439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39530-1	HA-1 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-39530-2	HA-2 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-39530-3	HA-3 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-39530-4	HA-4 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-39530-5	HA-5 (0-0.5)	Total/NA	Solid	8015NM Prep	
MB 880-73439/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-73439/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-73439/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-39505-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-39505-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 73600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39530-1	HA-1 (0-0.5)	Total/NA	Solid	8015B NM	73439
880-39530-2	HA-2 (0-0.5)	Total/NA	Solid	8015B NM	73439
880-39530-3	HA-3 (0-0.5)	Total/NA	Solid	8015B NM	73439
880-39530-4	HA-4 (0-0.5)	Total/NA	Solid	8015B NM	73439
880-39530-5	HA-5 (0-0.5)	Total/NA	Solid	8015B NM	73439
MB 880-73439/1-A	Method Blank	Total/NA	Solid	8015B NM	73439
LCS 880-73439/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	73439
LCSD 880-73439/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	73439
880-39505-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	73439
880-39505-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	73439

Analysis Batch: 73767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39530-1	HA-1 (0-0.5)	Total/NA	Solid	8015 NM	
880-39530-2	HA-2 (0-0.5)	Total/NA	Solid	8015 NM	
880-39530-3	HA-3 (0-0.5)	Total/NA	Solid	8015 NM	
880-39530-4	HA-4 (0-0.5)	Total/NA	Solid	8015 NM	
880-39530-5	HA-5 (0-0.5)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 73544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39530-1	HA-1 (0-0.5)	Soluble	Solid	DI Leach	
880-39530-2	HA-2 (0-0.5)	Soluble	Solid	DI Leach	
880-39530-3	HA-3 (0-0.5)	Soluble	Solid	DI Leach	
880-39530-4	HA-4 (0-0.5)	Soluble	Solid	DI Leach	
880-39530-5	HA-5 (0-0.5)	Soluble	Solid	DI Leach	
MB 880-73544/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy Conty ,New Mexico

HPLC/IC (Continued)

Leach Batch: 73544 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-73544/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-73544/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-39530-3 MS	HA-3 (0-0.5)	Soluble	Solid	DI Leach	
880-39530-3 MSD	HA-3 (0-0.5)	Soluble	Solid	DI Leach	

Analysis Batch: 73636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39530-1	HA-1 (0-0.5)	Soluble	Solid	300.0	73544
880-39530-2	HA-2 (0-0.5)	Soluble	Solid	300.0	73544
880-39530-3	HA-3 (0-0.5)	Soluble	Solid	300.0	73544
880-39530-4	HA-4 (0-0.5)	Soluble	Solid	300.0	73544
880-39530-5	HA-5 (0-0.5)	Soluble	Solid	300.0	73544
MB 880-73544/1-A	Method Blank	Soluble	Solid	300.0	73544
LCS 880-73544/2-A	Lab Control Sample	Soluble	Solid	300.0	73544
LCSD 880-73544/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	73544
880-39530-3 MS	HA-3 (0-0.5)	Soluble	Solid	300.0	73544
880-39530-3 MSD	HA-3 (0-0.5)	Soluble	Solid	300.0	73544

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy Conty ,New Mexico

Client Sample ID: HA-1 (0-0.5)
Date Collected: 02/12/24 00:00
Date Received: 02/16/24 15:04

Lab Sample ID: 880-39530-1
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			4.98 g	5 mL	73889	02/22/24 16:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73976	02/25/24 19:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74037	02/25/24 19:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			73767	02/21/24 00:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	73439	02/19/24 09:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73600	02/21/24 00:42	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	73544	02/19/24 14:31	SA	EET MID
Soluble	Analysis	300.0		1			73636	02/20/24 17:41	CH	EET MID

Client Sample ID: HA-2 (0-0.5)
Date Collected: 02/12/24 00:00
Date Received: 02/16/24 15:04

Lab Sample ID: 880-39530-2
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	73889	02/22/24 16:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73976	02/25/24 19:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74037	02/25/24 19:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			73767	02/21/24 01:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	73439	02/19/24 09:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73600	02/21/24 01:05	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	73544	02/19/24 14:31	SA	EET MID
Soluble	Analysis	300.0		1			73636	02/20/24 17:48	CH	EET MID

Client Sample ID: HA-3 (0-0.5)
Date Collected: 02/12/24 00:00
Date Received: 02/16/24 15:04

Lab Sample ID: 880-39530-3
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	73889	02/22/24 16:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73976	02/25/24 20:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74037	02/25/24 20:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			73767	02/21/24 01:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	73439	02/19/24 09:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73600	02/21/24 01:29	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	73544	02/19/24 14:31	SA	EET MID
Soluble	Analysis	300.0		1			73636	02/20/24 17:55	CH	EET MID

Client Sample ID: HA-4 (0-0.5)
Date Collected: 02/12/24 00:00
Date Received: 02/16/24 15:04

Lab Sample ID: 880-39530-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	73889	02/22/24 16:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73976	02/25/24 20:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74037	02/25/24 20:20	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy Conty ,New Mexico

Client Sample ID: HA-4 (0-0.5)
Date Collected: 02/12/24 00:00
Date Received: 02/16/24 15:04

Lab Sample ID: 880-39530-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			73767	02/21/24 01:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	73439	02/19/24 09:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73600	02/21/24 01:51	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	73544	02/19/24 14:31	SA	EET MID
Soluble	Analysis	300.0		1			73636	02/20/24 18:29	CH	EET MID

Client Sample ID: HA-5 (0-0.5)
Date Collected: 02/12/24 00:00
Date Received: 02/16/24 15:04

Lab Sample ID: 880-39530-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	73889	02/22/24 16:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73976	02/25/24 20:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74037	02/25/24 20:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			73767	02/21/24 02:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	73439	02/19/24 09:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73600	02/21/24 02:37	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	73544	02/19/24 14:31	SA	EET MID
Soluble	Analysis	300.0		1			73636	02/20/24 18:36	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy Conty ,New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy Conty ,New Mexico

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-39530-1
SDG: Eddy Conty ,New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-39530-1	HA-1 (0-0.5)	Solid	02/12/24 00:00	02/16/24 15:04
880-39530-2	HA-2 (0-0.5)	Solid	02/12/24 00:00	02/16/24 15:04
880-39530-3	HA-3 (0-0.5)	Solid	02/12/24 00:00	02/16/24 15:04
880-39530-4	HA-4 (0-0.5)	Solid	02/12/24 00:00	02/16/24 15:04
880-39530-5	HA-5 (0-0.5)	Solid	02/12/24 00:00	02/16/24 15:04

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390-39530 Chain of Custody

Work Order Comments	
Program: UST/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADaPT ☐ Other	

Project Manager	Connor Moehring	Bill to: (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address.	310 W Wall St Site 500	Address.	865 N. Albino Street, Suite 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone:	(432) 813-6823	Email:	Joseph.Vargo@ngllep.com

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2/16/24		2/16/24
	1504		

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-39530-1
SDG Number: Eddy Conty ,New Mexico

Login Number: 39530
List Number: 1
Creator: Wheeler, Jazmine

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

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JOB DESCRIPTION

Uber East SWD
Eddy County, New Mexico

JOB NUMBER

880-45215-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

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Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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Authorized for release by
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Client: Carmona Resources
Project/Site: Uber East SWD

Laboratory Job ID: 880-45215-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Uber East SWD

Job ID: 880-45215-1

Job ID: 880-45215-1

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Job Narrative
880-45215-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 6/25/2024 11:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1.5') (880-45215-1), CS-2 (1.5') (880-45215-2), CS-3 (1.5') (880-45215-3), CS-4 (1.5') (880-45215-4), CS-5 (1.5') (880-45215-5), CS-6 (1.5') (880-45215-6), CS-7 (1.5') (880-45215-7), CS-8 (1.5') (880-45215-8), CS-9 (1.5') (880-45215-9), CS-10 (1.5') (880-45215-10), CS-11 (1.5') (880-45215-11), CS-12 (1.5') (880-45215-12), CS-13 (1.5') (880-45215-13), SW-1 (1.5') (880-45215-14), SW-2 (1.5') (880-45215-15), SW-3 (1.5') (880-45215-16), SW-4 (1.5') (880-45215-17), SW-5 (1.5') (880-45215-18), SW-6 (1.5') (880-45215-19), SW-7 (1.5') (880-45215-20) and SW-8 (1.5') (880-45215-21).

GC VOA

Method 8021B: The following sample was diluted due to the nature of the sample matrix: (880-45187-A-1-B MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-84036 recovered under the lower control limit for Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84082 and analytical batch 880-84037 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84104 and analytical batch 880-84032 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-1 (1.5') (880-45215-1), CS-2 (1.5') (880-45215-2), CS-3 (1.5') (880-45215-3), CS-4 (1.5') (880-45215-4), CS-5 (1.5') (880-45215-5), CS-6 (1.5') (880-45215-6), CS-7 (1.5') (880-45215-7), CS-8 (1.5') (880-45215-8), CS-9 (1.5') (880-45215-9), CS-10 (1.5') (880-45215-10), CS-11 (1.5') (880-45215-11), CS-12 (1.5') (880-45215-12), CS-13 (1.5') (880-45215-13), SW-1 (1.5') (880-45215-14), SW-2 (1.5') (880-45215-15), SW-3 (1.5') (880-45215-16), SW-4 (1.5') (880-45215-17), SW-5 (1.5') (880-45215-18), SW-6 (1.5') (880-45215-19), SW-7 (1.5') (880-45215-20), (LCS 880-84104/2-A), (MB 880-84104/1-A), (880-45215-A-1-H MS) and (880-45215-A-1-I MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84105 and analytical batch 880-84035 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within

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Case Narrative

Client: Carmona Resources
Project: Uber East SWD

Job ID: 880-45215-1

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acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-84105/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-84085 and analytical batch 880-84101 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-84083 and analytical batch 880-84093 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 15:10	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		06/25/24 12:48	06/25/24 15:10	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		06/25/24 12:48	06/25/24 15:10	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398		mg/Kg		06/25/24 12:48	06/25/24 15:10	1
o-Xylene	<0.00199	U F2 F1	0.00199		mg/Kg		06/25/24 12:48	06/25/24 15:10	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		06/25/24 12:48	06/25/24 15:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				06/25/24 12:48	06/25/24 15:10	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/25/24 12:48	06/25/24 15:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/24 15:10	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/25/24 17:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		06/25/24 14:19	06/25/24 17:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		06/25/24 14:19	06/25/24 17:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 17:00	1
Total TPH	<49.9	U F1	49.9		mg/Kg		06/25/24 14:19	06/25/24 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				06/25/24 14:19	06/25/24 17:00	1
o-Terphenyl	152	S1+	70 - 130				06/25/24 14:19	06/25/24 17:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2320	F1	24.9		mg/Kg			06/25/24 19:45	5

Client Sample ID: CS-2 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 15:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 15:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 15:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/25/24 12:48	06/25/24 15:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 15:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/25/24 12:48	06/25/24 15:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				06/25/24 12:48	06/25/24 15:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/25/24 12:48	06/25/24 15:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/25/24 15:31	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9	U	49.9		mg/Kg			06/25/24 18:03	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 18:03	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 18:03	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 18:03	1	
Total TPH	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 18:03	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	125		70 - 130				06/25/24 14:19	06/25/24 18:03	1	
o-Terphenyl	146	S1+	70 - 130				06/25/24 14:19	06/25/24 18:03	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	637		5.02		mg/Kg			06/25/24 20:00	1	

Client Sample ID: CS-3 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-3
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00202	U	0.00202		mg/Kg		06/25/24 12:48	06/25/24 15:51	1	
Toluene	<0.00202	U	0.00202		mg/Kg		06/25/24 12:48	06/25/24 15:51	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/25/24 12:48	06/25/24 15:51	1	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/25/24 12:48	06/25/24 15:51	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/25/24 12:48	06/25/24 15:51	1	
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/25/24 12:48	06/25/24 15:51	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	123		70 - 130				06/25/24 12:48	06/25/24 15:51	1	
1,4-Difluorobenzene (Surr)	97		70 - 130				06/25/24 12:48	06/25/24 15:51	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/25/24 15:51	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9	U	49.9		mg/Kg			06/25/24 18:24	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 18:24	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 18:24	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 18:24	1	
Total TPH	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 18:24	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	120		70 - 130				06/25/24 14:19	06/25/24 18:24	1	
o-Terphenyl	140	S1+	70 - 130				06/25/24 14:19	06/25/24 18:24	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	60.4		5.03		mg/Kg			06/25/24 20:05	1	

Client Sample ID: CS-4 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-4
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 16:12	1	
Toluene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 16:12	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 16:12	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/25/24 12:48	06/25/24 16:12	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 16:12	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/25/24 12:48	06/25/24 16:12	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	123		70 - 130				06/25/24 12:48	06/25/24 16:12	1	
1,4-Difluorobenzene (Surr)	97		70 - 130				06/25/24 12:48	06/25/24 16:12	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/24 16:12	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			06/25/24 18:44	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/25/24 14:19	06/25/24 18:44	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/25/24 14:19	06/25/24 18:44	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/25/24 14:19	06/25/24 18:44	1	
Total TPH	<50.0	U	50.0		mg/Kg		06/25/24 14:19	06/25/24 18:44	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	121		70 - 130				06/25/24 14:19	06/25/24 18:44	1	
o-Terphenyl	145	S1+	70 - 130				06/25/24 14:19	06/25/24 18:44	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	607		4.97		mg/Kg			06/25/24 20:10	1

Client Sample ID: CS-5 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-5
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 16:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 16:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 16:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/25/24 12:48	06/25/24 16:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 16:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/25/24 12:48	06/25/24 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				06/25/24 12:48	06/25/24 16:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/25/24 12:48	06/25/24 16:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/25/24 16:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/25/24 19:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		06/25/24 14:19	06/25/24 19:05	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/25/24 14:19	06/25/24 19:05	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/25/24 14:19	06/25/24 19:05	1
Total TPH	<49.6	U	49.6		mg/Kg		06/25/24 14:19	06/25/24 19:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				06/25/24 14:19	06/25/24 19:05	1
o-Terphenyl	139	S1+	70 - 130				06/25/24 14:19	06/25/24 19:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	490		4.96		mg/Kg			06/25/24 20:15	1

Client Sample ID: CS-6 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-6
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 16:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 16:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-45215-6

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 16:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/25/24 12:48	06/25/24 16:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 16:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/25/24 12:48	06/25/24 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				06/25/24 12:48	06/25/24 16:53	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/25/24 12:48	06/25/24 16:53	1

Method: TAL SOP 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			06/25/24 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/25/24 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 19:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 19:26	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 19:26	1
Total TPH	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				06/25/24 14:19	06/25/24 19:26	1
o-Terphenyl	138	S1+	70 - 130				06/25/24 14:19	06/25/24 19:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	836		5.05		mg/Kg			06/25/24 20:30	1

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-45215-7

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 17:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 17:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 17:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/25/24 12:48	06/25/24 17:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 17:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/25/24 12:48	06/25/24 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				06/25/24 12:48	06/25/24 17:13	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/25/24 12:48	06/25/24 17:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-7
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/25/24 17:13	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9	U	49.9		mg/Kg			06/25/24 19:47	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 19:47	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 19:47	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 19:47	1	
Total TPH	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 19:47	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	129		70 - 130				06/25/24 14:19	06/25/24 19:47	1	
o-Terphenyl	156	S1+	70 - 130				06/25/24 14:19	06/25/24 19:47	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	181		5.03		mg/Kg			06/25/24 20:35	1	

Client Sample ID: CS-8 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-8
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00202	U	0.00202		mg/Kg		06/25/24 12:48	06/25/24 17:34	1	
Toluene	<0.00202	U	0.00202		mg/Kg		06/25/24 12:48	06/25/24 17:34	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/25/24 12:48	06/25/24 17:34	1	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/25/24 12:48	06/25/24 17:34	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/25/24 12:48	06/25/24 17:34	1	
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/25/24 12:48	06/25/24 17:34	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	122		70 - 130				06/25/24 12:48	06/25/24 17:34	1	
1,4-Difluorobenzene (Surr)	96		70 - 130				06/25/24 12:48	06/25/24 17:34	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/25/24 17:34	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			06/25/24 20:08	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 20:08	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-45215-8

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 20:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 20:08	1
Total TPH	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	06/25/24 14:19	06/25/24 20:08	1
o-Terphenyl	147	S1+	70 - 130	06/25/24 14:19	06/25/24 20:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	305		5.03		mg/Kg			06/25/24 20:40	1

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-45215-9

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 17:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 17:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 17:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/25/24 12:48	06/25/24 17:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 17:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/25/24 12:48	06/25/24 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	06/25/24 12:48	06/25/24 17:54	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/25/24 12:48	06/25/24 17:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/24 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/25/24 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 20:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 20:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 20:29	1
Total TPH	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	06/25/24 14:19	06/25/24 20:29	1
o-Terphenyl	145	S1+	70 - 130	06/25/24 14:19	06/25/24 20:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-45215-9

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		4.99		mg/Kg			06/25/24 20:45	1

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-45215-10

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/25/24 12:48	06/25/24 18:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/25/24 12:48	06/25/24 18:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/25/24 12:48	06/25/24 18:15	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/25/24 12:48	06/25/24 18:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/25/24 12:48	06/25/24 18:15	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/25/24 12:48	06/25/24 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	06/25/24 12:48	06/25/24 18:15	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/25/24 12:48	06/25/24 18:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/25/24 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/25/24 20:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 20:49	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 20:49	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 20:49	1
Total TPH	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 20:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	06/25/24 14:19	06/25/24 20:49	1
o-Terphenyl	156	S1+	70 - 130	06/25/24 14:19	06/25/24 20:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1780		24.9		mg/Kg			06/25/24 20:50	5

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-45215-11

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 19:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 19:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-45215-11

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 19:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/25/24 12:48	06/25/24 19:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 19:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/25/24 12:48	06/25/24 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				06/25/24 12:48	06/25/24 19:51	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/25/24 12:48	06/25/24 19:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/25/24 19:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/25/24 21:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 21:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 21:31	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 21:31	1
Total TPH	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				06/25/24 14:19	06/25/24 21:31	1
o-Terphenyl	149	S1+	70 - 130				06/25/24 14:19	06/25/24 21:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1540		24.8		mg/Kg			06/25/24 20:55	5

Client Sample ID: CS-12 (1.5')

Lab Sample ID: 880-45215-12

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 20:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 20:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 20:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/25/24 12:48	06/25/24 20:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 20:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/25/24 12:48	06/25/24 20:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				06/25/24 12:48	06/25/24 20:11	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/25/24 12:48	06/25/24 20:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-12 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-12
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/25/24 20:11	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			06/25/24 21:51	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 21:51	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 21:51	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 21:51	1	
Total TPH	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 21:51	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	131	S1+	70 - 130				06/25/24 14:19	06/25/24 21:51	1	
o-Terphenyl	157	S1+	70 - 130				06/25/24 14:19	06/25/24 21:51	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	2030		25.1		mg/Kg			06/25/24 21:10	5	

Client Sample ID: CS-13 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 20:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 20:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 20:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/25/24 12:48	06/25/24 20:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 20:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/25/24 12:48	06/25/24 20:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				06/25/24 12:48	06/25/24 20:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/25/24 12:48	06/25/24 20:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/24 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/25/24 22:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 22:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-13 (1.5')

Lab Sample ID: 880-45215-13

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 22:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 22:12	1
Total TPH	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/25/24 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	06/25/24 14:19	06/25/24 22:12	1
o-Terphenyl	150	S1+	70 - 130	06/25/24 14:19	06/25/24 22:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2610		25.2		mg/Kg			06/25/24 21:15	5

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-45215-14

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 20:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 20:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 20:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/25/24 12:48	06/25/24 20:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 20:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/25/24 12:48	06/25/24 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	06/25/24 12:48	06/25/24 20:52	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/25/24 12:48	06/25/24 20:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/24 20:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/25/24 22:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 22:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 22:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 22:33	1
Total TPH	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 22:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	06/25/24 14:19	06/25/24 22:33	1
o-Terphenyl	131	S1+	70 - 130	06/25/24 14:19	06/25/24 22:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-14
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.1		5.02		mg/Kg			06/25/24 21:31	1

Client Sample ID: SW-2 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-15
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 21:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 21:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 21:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/25/24 12:48	06/25/24 21:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 21:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/25/24 12:48	06/25/24 21:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				06/25/24 12:48	06/25/24 21:12	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/25/24 12:48	06/25/24 21:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/25/24 21:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/25/24 22:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/25/24 14:19	06/25/24 22:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/25/24 14:19	06/25/24 22:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/25/24 14:19	06/25/24 22:53	1
Total TPH	<50.0	U	50.0		mg/Kg		06/25/24 14:19	06/25/24 22:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				06/25/24 14:19	06/25/24 22:53	1
o-Terphenyl	137	S1+	70 - 130				06/25/24 14:19	06/25/24 22:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.6		4.99		mg/Kg			06/25/24 21:36	1

Client Sample ID: SW-3 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-16
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/25/24 12:48	06/25/24 21:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/25/24 12:48	06/25/24 21:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-45215-16

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/25/24 12:48	06/25/24 21:33	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/25/24 12:48	06/25/24 21:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/25/24 12:48	06/25/24 21:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/25/24 12:48	06/25/24 21:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				06/25/24 12:48	06/25/24 21:33	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/25/24 12:48	06/25/24 21:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/25/24 21:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/25/24 23:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 23:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 23:14	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 23:14	1
Total TPH	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 23:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				06/25/24 14:19	06/25/24 23:14	1
o-Terphenyl	134	S1+	70 - 130				06/25/24 14:19	06/25/24 23:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.3		4.98		mg/Kg			06/25/24 21:41	1

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-45215-17

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 21:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 21:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 21:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/25/24 12:48	06/25/24 21:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/25/24 12:48	06/25/24 21:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/25/24 12:48	06/25/24 21:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				06/25/24 12:48	06/25/24 21:53	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/25/24 12:48	06/25/24 21:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-17
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/24 21:53	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/25/24 23:35	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 23:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 23:35	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 23:35	1
Total TPH	<49.7	U	49.7		mg/Kg		06/25/24 14:19	06/25/24 23:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				06/25/24 14:19	06/25/24 23:35	1
o-Terphenyl	141	S1+	70 - 130				06/25/24 14:19	06/25/24 23:35	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		5.05		mg/Kg			06/25/24 21:46	1

Client Sample ID: SW-5 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-18
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 22:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 22:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 22:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/25/24 12:48	06/25/24 22:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 22:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/25/24 12:48	06/25/24 22:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				06/25/24 12:48	06/25/24 22:14	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/25/24 12:48	06/25/24 22:14	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/25/24 22:14	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/25/24 23:55	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 23:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-45215-18

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 23:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 23:55	1
Total TPH	<49.8	U	49.8		mg/Kg		06/25/24 14:19	06/25/24 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	06/25/24 14:19	06/25/24 23:55	1
o-Terphenyl	136	S1+	70 - 130	06/25/24 14:19	06/25/24 23:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	273		5.04		mg/Kg			06/25/24 21:51	1

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-45215-19

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/25/24 12:48	06/25/24 22:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/25/24 12:48	06/25/24 22:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/25/24 12:48	06/25/24 22:34	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/25/24 12:48	06/25/24 22:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/25/24 12:48	06/25/24 22:34	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/25/24 12:48	06/25/24 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	06/25/24 12:48	06/25/24 22:34	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/25/24 12:48	06/25/24 22:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/25/24 22:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/24 00:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/26/24 00:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/26/24 00:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/26/24 00:16	1
Total TPH	<49.9	U	49.9		mg/Kg		06/25/24 14:19	06/26/24 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	06/25/24 14:19	06/26/24 00:16	1
o-Terphenyl	142	S1+	70 - 130	06/25/24 14:19	06/26/24 00:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-6 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-19
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.5		4.99		mg/Kg			06/25/24 21:56	1

Client Sample ID: SW-7 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-20
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 22:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 22:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 22:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/25/24 12:48	06/25/24 22:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/25/24 12:48	06/25/24 22:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/25/24 12:48	06/25/24 22:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				06/25/24 12:48	06/25/24 22:55	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/25/24 12:48	06/25/24 22:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/25/24 22:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/26/24 00:37	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/25/24 14:19	06/26/24 00:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/25/24 14:19	06/26/24 00:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/25/24 14:19	06/26/24 00:37	1
Total TPH	<50.0	U	50.0		mg/Kg		06/25/24 14:19	06/26/24 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				06/25/24 14:19	06/26/24 00:37	1
o-Terphenyl	145	S1+	70 - 130				06/25/24 14:19	06/26/24 00:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.1		5.00		mg/Kg			06/25/24 22:01	1

Client Sample ID: SW-8 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-21
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/25/24 14:00	06/25/24 20:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/25/24 14:00	06/25/24 20:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-45215-21

Date Collected: 06/24/24 00:00

Matrix: Solid

Date Received: 06/25/24 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/25/24 14:00	06/25/24 20:02	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/25/24 14:00	06/25/24 20:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/25/24 14:00	06/25/24 20:02	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/25/24 14:00	06/25/24 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				06/25/24 14:00	06/25/24 20:02	1
1,4-Difluorobenzene (Surr)	89		70 - 130				06/25/24 14:00	06/25/24 20:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/25/24 20:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/25/24 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/25/24 14:21	06/25/24 17:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		06/25/24 14:21	06/25/24 17:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/24 14:21	06/25/24 17:00	1
Total TPH	<49.9	U F1	49.9		mg/Kg		06/25/24 14:21	06/25/24 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				06/25/24 14:21	06/25/24 17:00	1
o-Terphenyl	99		70 - 130				06/25/24 14:21	06/25/24 17:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	233	F1	5.03		mg/Kg			06/25/24 18:55	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-45187-A-1-A MS	Matrix Spike	94	96				
880-45187-A-1-B MSD	Matrix Spike Duplicate	96	85				
880-45215-1	CS-1 (1.5')	127	98				
880-45215-1 MS	CS-1 (1.5')	47 S1-	80				
880-45215-1 MSD	CS-1 (1.5')	131 S1+	93				
880-45215-2	CS-2 (1.5')	122	97				
880-45215-3	CS-3 (1.5')	123	97				
880-45215-4	CS-4 (1.5')	123	97				
880-45215-5	CS-5 (1.5')	123	97				
880-45215-6	CS-6 (1.5')	131 S1+	97				
880-45215-7	CS-7 (1.5')	122	97				
880-45215-8	CS-8 (1.5')	122	96				
880-45215-9	CS-9 (1.5')	124	97				
880-45215-10	CS-10 (1.5')	123	96				
880-45215-11	CS-11 (1.5')	126	96				
880-45215-12	CS-12 (1.5')	126	97				
880-45215-13	CS-13 (1.5')	125	97				
880-45215-14	SW-1 (1.5')	124	97				
880-45215-15	SW-2 (1.5')	124	97				
880-45215-16	SW-3 (1.5')	124	97				
880-45215-17	SW-4 (1.5')	124	96				
880-45215-18	SW-5 (1.5')	124	96				
880-45215-19	SW-6 (1.5')	124	96				
880-45215-20	SW-7 (1.5')	125	97				
880-45215-21	SW-8 (1.5')	105	89				
LCS 880-84040/1-A	Lab Control Sample	92	98				
LCS 880-84082/1-A	Lab Control Sample	119	94				
LCSD 880-84040/2-A	Lab Control Sample Dup	94	95				
LCSD 880-84082/2-A	Lab Control Sample Dup	119	94				
MB 880-84040/5-A	Method Blank	99	85				
MB 880-84082/5-A	Method Blank	122	93				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-45215-1	CS-1 (1.5')	134 S1+	152 S1+				
880-45215-1 MS	CS-1 (1.5')	130	137 S1+				
880-45215-1 MSD	CS-1 (1.5')	125	132 S1+				
880-45215-2	CS-2 (1.5')	125	146 S1+				
880-45215-3	CS-3 (1.5')	120	140 S1+				
880-45215-4	CS-4 (1.5')	121	145 S1+				
880-45215-5	CS-5 (1.5')	121	139 S1+				
880-45215-6	CS-6 (1.5')	115	138 S1+				

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Surrogate Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-45215-7	CS-7 (1.5')	129	156 S1+
880-45215-8	CS-8 (1.5')	127	147 S1+
880-45215-9	CS-9 (1.5')	124	145 S1+
880-45215-10	CS-10 (1.5')	129	156 S1+
880-45215-11	CS-11 (1.5')	127	149 S1+
880-45215-12	CS-12 (1.5')	131 S1+	157 S1+
880-45215-13	CS-13 (1.5')	127	150 S1+
880-45215-14	SW-1 (1.5')	117	131 S1+
880-45215-15	SW-2 (1.5')	119	137 S1+
880-45215-16	SW-3 (1.5')	116	134 S1+
880-45215-17	SW-4 (1.5')	120	141 S1+
880-45215-18	SW-5 (1.5')	117	136 S1+
880-45215-19	SW-6 (1.5')	125	142 S1+
880-45215-20	SW-7 (1.5')	129	145 S1+
880-45215-21	SW-8 (1.5')	96	99
880-45215-21 MS	SW-8 (1.5')	78	74
880-45215-21 MSD	SW-8 (1.5')	75	71
LCS 880-84104/2-A	Lab Control Sample	121	134 S1+
LCS 880-84105/2-A	Lab Control Sample	103	103
LCSD 880-84104/3-A	Lab Control Sample Dup	121	129
LCSD 880-84105/3-A	Lab Control Sample Dup	95	97
MB 880-84104/1-A	Method Blank	133 S1+	158 S1+
MB 880-84105/1-A	Method Blank	132 S1+	144 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-84040/5-A

Matrix: Solid

Analysis Batch: 84036

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84040

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/24 08:13	06/25/24 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/24 08:13	06/25/24 11:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/24 08:13	06/25/24 11:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/25/24 08:13	06/25/24 11:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/24 08:13	06/25/24 11:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/25/24 08:13	06/25/24 11:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/25/24 08:13	06/25/24 11:46	1
1,4-Difluorobenzene (Surr)	85		70 - 130	06/25/24 08:13	06/25/24 11:46	1

Lab Sample ID: LCS 880-84040/1-A

Matrix: Solid

Analysis Batch: 84036

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84040

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09856		mg/Kg		99	70 - 130
Toluene	0.100	0.08872		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08728		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1787		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09298		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-84040/2-A

Matrix: Solid

Analysis Batch: 84036

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84040

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09187		mg/Kg		92	70 - 130	7	35
Toluene	0.100	0.08264		mg/Kg		83	70 - 130	7	35
Ethylbenzene	0.100	0.08115		mg/Kg		81	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1663		mg/Kg		83	70 - 130	7	35
o-Xylene	0.100	0.08654		mg/Kg		87	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-45187-A-1-A MS

Matrix: Solid

Analysis Batch: 84036

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 84040

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.0996	0.09032		mg/Kg		91	70 - 130
Toluene	<0.00199	U F1	0.0996	0.08109		mg/Kg		81	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-45187-A-1-A MS
Matrix: Solid
Analysis Batch: 84036

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 84040

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.0996	0.07904		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1619		mg/Kg		81	70 - 130
o-Xylene	<0.00199	U F1	0.0996	0.08441		mg/Kg		85	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	94		70 - 130						
1,4-Difluorobenzene (Surr)	96		70 - 130						

Lab Sample ID: 880-45187-A-1-B MSD
Matrix: Solid
Analysis Batch: 84036

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 84040

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00199	U F1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00199	U F1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00398	U F1	0.202	<0.00403	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00199	U F1	0.101	<0.00202	U F1	mg/Kg		0	70 - 130	NC	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	96		70 - 130								
1,4-Difluorobenzene (Surr)	85		70 - 130								

Lab Sample ID: MB 880-84082/5-A
Matrix: Solid
Analysis Batch: 84037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84082

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 14:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 14:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 14:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/25/24 12:48	06/25/24 14:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/24 12:48	06/25/24 14:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/25/24 12:48	06/25/24 14:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
4-Bromofluorobenzene (Surr)	122		70 - 130						
1,4-Difluorobenzene (Surr)	93		70 - 130						

Lab Sample ID: LCS 880-84082/1-A
Matrix: Solid
Analysis Batch: 84037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84082

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1072		mg/Kg		107	70 - 130
Toluene	0.100	0.09884		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09910		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2088		mg/Kg		104	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-84082/1-A

Matrix: Solid

Analysis Batch: 84037

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84082

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1044		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-84082/2-A

Matrix: Solid

Analysis Batch: 84037

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84082

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1066		mg/Kg		107	70 - 130	1	35
Toluene	0.100	0.09819		mg/Kg		98	70 - 130	1	35
Ethylbenzene	0.100	0.09847		mg/Kg		98	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2069		mg/Kg		103	70 - 130	1	35
o-Xylene	0.100	0.1028		mg/Kg		103	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-45215-1 MS

Matrix: Solid

Analysis Batch: 84037

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 84082

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.08088		mg/Kg		81	70 - 130
Toluene	<0.00199	U F2 F1	0.0996	0.06527	F1	mg/Kg		66	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0996	0.04420	F1	mg/Kg		44	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.199	0.07414	F1	mg/Kg		37	70 - 130
o-Xylene	<0.00199	U F2 F1	0.0996	0.02762	F1	mg/Kg		28	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	47	S1-	70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Lab Sample ID: 880-45215-1 MSD

Matrix: Solid

Analysis Batch: 84037

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 84082

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1032		mg/Kg		102	70 - 130	24	35
Toluene	<0.00199	U F2 F1	0.101	0.09804	F2	mg/Kg		97	70 - 130	40	35
Ethylbenzene	<0.00199	U F2 F1	0.101	0.09952	F2	mg/Kg		99	70 - 130	77	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.202	0.2141	F2	mg/Kg		106	70 - 130	97	35
o-Xylene	<0.00199	U F2 F1	0.101	0.1057	F2	mg/Kg		105	70 - 130	117	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-45215-1 MSD

Matrix: Solid

Analysis Batch: 84037

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 84082

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-84104/1-A

Matrix: Solid

Analysis Batch: 84032

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84104

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/25/24 14:18	06/25/24 15:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/25/24 14:18	06/25/24 15:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/25/24 14:18	06/25/24 15:57	1
Total TPH	<50.0	U	50.0		mg/Kg		06/25/24 14:18	06/25/24 15:57	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	133	S1+	70 - 130	06/25/24 14:18	06/25/24 15:57	1
o-Terphenyl	158	S1+	70 - 130	06/25/24 14:18	06/25/24 15:57	1

Lab Sample ID: LCS 880-84104/2-A

Matrix: Solid

Analysis Batch: 84032

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	978.0		mg/Kg		98	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	954.3		mg/Kg		95	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	121		70 - 130
o-Terphenyl	134	S1+	70 - 130

Lab Sample ID: LCSD 880-84104/3-A

Matrix: Solid

Analysis Batch: 84032

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84104

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	
							Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	969.3		mg/Kg		97	70 - 130		1	20
Diesel Range Organics (Over C10-C28)	1000	944.6		mg/Kg		94	70 - 130		1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	121		70 - 130
o-Terphenyl	129		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-45215-1 MS

Matrix: Solid

Analysis Batch: 84032

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 84104

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	549.9	F1	mg/Kg		53	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	659.1	F1	mg/Kg		64	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	130		70 - 130								
o-Terphenyl	137	S1+	70 - 130								

Lab Sample ID: 880-45215-1 MSD

Matrix: Solid

Analysis Batch: 84032

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 84104

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	534.1	F1	mg/Kg		51	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	640.5	F1	mg/Kg		63	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	125		70 - 130								
o-Terphenyl	132	S1+	70 - 130								

Lab Sample ID: MB 880-84105/1-A

Matrix: Solid

Analysis Batch: 84035

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84105

Analyte	MB MB		RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/25/24 14:21	06/25/24 15:57		1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/25/24 14:21	06/25/24 15:57		1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/25/24 14:21	06/25/24 15:57		1	
Total TPH	<50.0	U	50.0		mg/Kg		06/25/24 14:21	06/25/24 15:57		1	
Surrogate	MB MB		Limits				Prepared		Analyzed		Dil Fac
	%Recovery	Qualifier									
1-Chlorooctane	132	S1+	70 - 130				06/25/24 14:21	06/25/24 15:57		1	
o-Terphenyl	144	S1+	70 - 130				06/25/24 14:21	06/25/24 15:57		1	

Lab Sample ID: LCS 880-84105/2-A

Matrix: Solid

Analysis Batch: 84035

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84105

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1049		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1022		mg/Kg		102	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-84105/2-A
Matrix: Solid
Analysis Batch: 84035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84105

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

Lab Sample ID: LCSD 880-84105/3-A
Matrix: Solid
Analysis Batch: 84035

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84105

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	994.2		mg/Kg		99	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	938.2		mg/Kg		94	70 - 130	9	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 880-45215-21 MS
Matrix: Solid
Analysis Batch: 84035

Client Sample ID: SW-8 (1.5')
Prep Type: Total/NA
Prep Batch: 84105

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	996	924.8		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	459.9	F1	mg/Kg		46	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	78		70 - 130
o-Terphenyl	74		70 - 130

Lab Sample ID: 880-45215-21 MSD
Matrix: Solid
Analysis Batch: 84035

Client Sample ID: SW-8 (1.5')
Prep Type: Total/NA
Prep Batch: 84105

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	996	826.0		mg/Kg		82	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	445.5	F1	mg/Kg		45	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	71		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-84083/1-A											Client Sample ID: Method Blank		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 84093													
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac				
Chloride	<5.00	U	5.00		mg/Kg			06/25/24 19:30	1				
Lab Sample ID: LCS 880-84083/2-A											Client Sample ID: Lab Control Sample		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 84093													
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride			250	237.4		mg/Kg		95	90 - 110				
Lab Sample ID: LCSD 880-84083/3-A											Client Sample ID: Lab Control Sample Dup		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 84093													
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit		
Chloride			250	237.8		mg/Kg		95	90 - 110		0 20		
Lab Sample ID: 880-45215-1 MS											Client Sample ID: CS-1 (1.5')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 84093													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	2320	F1	1250	3708	F1	mg/Kg		111	90 - 110				
Lab Sample ID: 880-45215-1 MSD											Client Sample ID: CS-1 (1.5')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 84093													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit		
Chloride	2320	F1	1250	3752	F1	mg/Kg		115	90 - 110		1 20		
Lab Sample ID: 880-45215-11 MS											Client Sample ID: CS-11 (1.5')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 84093													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	1540		1240	2898		mg/Kg		109	90 - 110				
Lab Sample ID: 880-45215-11 MSD											Client Sample ID: CS-11 (1.5')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 84093													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit		
Chloride	1540		1240	2910		mg/Kg		110	90 - 110		0 20		
Lab Sample ID: MB 880-84085/1-A											Client Sample ID: Method Blank		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 84101													
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac				
Chloride	<5.00	U	5.00		mg/Kg			06/25/24 18:37	1				

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QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-84085/2-A

Matrix: Solid

Analysis Batch: 84101

Client Sample ID: LCS 880-84085/2-A

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	244.3		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-84085/3-A

Matrix: Solid

Analysis Batch: 84101

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	244.2		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-45215-21 MS

Matrix: Solid

Analysis Batch: 84101

Client Sample ID: SW-8 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	233	F1	252	456.7	F1	mg/Kg		89	90 - 110		

Lab Sample ID: 880-45215-21 MSD

Matrix: Solid

Analysis Batch: 84101

Client Sample ID: SW-8 (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	233	F1	252	455.6	F1	mg/Kg		88	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 84036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-21	SW-8 (1.5')	Total/NA	Solid	8021B	84040
MB 880-84040/5-A	Method Blank	Total/NA	Solid	8021B	84040
LCS 880-84040/1-A	Lab Control Sample	Total/NA	Solid	8021B	84040
LCSD 880-84040/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84040
880-45187-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	84040
880-45187-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	84040

Analysis Batch: 84037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-1	CS-1 (1.5')	Total/NA	Solid	8021B	84082
880-45215-2	CS-2 (1.5')	Total/NA	Solid	8021B	84082
880-45215-3	CS-3 (1.5')	Total/NA	Solid	8021B	84082
880-45215-4	CS-4 (1.5')	Total/NA	Solid	8021B	84082
880-45215-5	CS-5 (1.5')	Total/NA	Solid	8021B	84082
880-45215-6	CS-6 (1.5')	Total/NA	Solid	8021B	84082
880-45215-7	CS-7 (1.5')	Total/NA	Solid	8021B	84082
880-45215-8	CS-8 (1.5')	Total/NA	Solid	8021B	84082
880-45215-9	CS-9 (1.5')	Total/NA	Solid	8021B	84082
880-45215-10	CS-10 (1.5')	Total/NA	Solid	8021B	84082
880-45215-11	CS-11 (1.5')	Total/NA	Solid	8021B	84082
880-45215-12	CS-12 (1.5')	Total/NA	Solid	8021B	84082
880-45215-13	CS-13 (1.5')	Total/NA	Solid	8021B	84082
880-45215-14	SW-1 (1.5')	Total/NA	Solid	8021B	84082
880-45215-15	SW-2 (1.5')	Total/NA	Solid	8021B	84082
880-45215-16	SW-3 (1.5')	Total/NA	Solid	8021B	84082
880-45215-17	SW-4 (1.5')	Total/NA	Solid	8021B	84082
880-45215-18	SW-5 (1.5')	Total/NA	Solid	8021B	84082
880-45215-19	SW-6 (1.5')	Total/NA	Solid	8021B	84082
880-45215-20	SW-7 (1.5')	Total/NA	Solid	8021B	84082
MB 880-84082/5-A	Method Blank	Total/NA	Solid	8021B	84082
LCS 880-84082/1-A	Lab Control Sample	Total/NA	Solid	8021B	84082
LCSD 880-84082/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84082
880-45215-1 MS	CS-1 (1.5')	Total/NA	Solid	8021B	84082
880-45215-1 MSD	CS-1 (1.5')	Total/NA	Solid	8021B	84082

Prep Batch: 84040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-21	SW-8 (1.5')	Total/NA	Solid	5035	
MB 880-84040/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84040/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84040/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45187-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-45187-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 84082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-45215-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-45215-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-45215-4	CS-4 (1.5')	Total/NA	Solid	5035	
880-45215-5	CS-5 (1.5')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 84082 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-6	CS-6 (1.5')	Total/NA	Solid	5035	
880-45215-7	CS-7 (1.5')	Total/NA	Solid	5035	
880-45215-8	CS-8 (1.5')	Total/NA	Solid	5035	
880-45215-9	CS-9 (1.5')	Total/NA	Solid	5035	
880-45215-10	CS-10 (1.5')	Total/NA	Solid	5035	
880-45215-11	CS-11 (1.5')	Total/NA	Solid	5035	
880-45215-12	CS-12 (1.5')	Total/NA	Solid	5035	
880-45215-13	CS-13 (1.5')	Total/NA	Solid	5035	
880-45215-14	SW-1 (1.5')	Total/NA	Solid	5035	
880-45215-15	SW-2 (1.5')	Total/NA	Solid	5035	
880-45215-16	SW-3 (1.5')	Total/NA	Solid	5035	
880-45215-17	SW-4 (1.5')	Total/NA	Solid	5035	
880-45215-18	SW-5 (1.5')	Total/NA	Solid	5035	
880-45215-19	SW-6 (1.5')	Total/NA	Solid	5035	
880-45215-20	SW-7 (1.5')	Total/NA	Solid	5035	
MB 880-84082/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84082/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84082/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45215-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
880-45215-1 MSD	CS-1 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 84211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-5	CS-5 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-6	CS-6 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-7	CS-7 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-8	CS-8 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-9	CS-9 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-10	CS-10 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-11	CS-11 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-12	CS-12 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-13	CS-13 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-14	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-15	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-16	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-17	SW-4 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-18	SW-5 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-19	SW-6 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-20	SW-7 (1.5')	Total/NA	Solid	Total BTEX	
880-45215-21	SW-8 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 84032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	84104

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 84032 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-5	CS-5 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-6	CS-6 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-7	CS-7 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-8	CS-8 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-9	CS-9 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-10	CS-10 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-11	CS-11 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-12	CS-12 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-13	CS-13 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-14	SW-1 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-15	SW-2 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-16	SW-3 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-17	SW-4 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-18	SW-5 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-19	SW-6 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-20	SW-7 (1.5')	Total/NA	Solid	8015B NM	84104
MB 880-84104/1-A	Method Blank	Total/NA	Solid	8015B NM	84104
LCS 880-84104/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84104
LCSD 880-84104/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84104
880-45215-1 MS	CS-1 (1.5')	Total/NA	Solid	8015B NM	84104
880-45215-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015B NM	84104

Analysis Batch: 84035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-21	SW-8 (1.5')	Total/NA	Solid	8015B NM	84105
MB 880-84105/1-A	Method Blank	Total/NA	Solid	8015B NM	84105
LCS 880-84105/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84105
LCSD 880-84105/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84105
880-45215-21 MS	SW-8 (1.5')	Total/NA	Solid	8015B NM	84105
880-45215-21 MSD	SW-8 (1.5')	Total/NA	Solid	8015B NM	84105

Prep Batch: 84104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-5	CS-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-6	CS-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-7	CS-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-8	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-9	CS-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-10	CS-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-11	CS-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-12	CS-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-13	CS-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-14	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-15	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-16	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 84104 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-17	SW-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-18	SW-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-19	SW-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-20	SW-7 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-84104/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84104/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84104/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45215-1 MS	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 84105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-21	SW-8 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-84105/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84105/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84105/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45215-21 MS	SW-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-45215-21 MSD	SW-8 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 84159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-45215-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-45215-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-45215-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-45215-5	CS-5 (1.5')	Total/NA	Solid	8015 NM	
880-45215-6	CS-6 (1.5')	Total/NA	Solid	8015 NM	
880-45215-7	CS-7 (1.5')	Total/NA	Solid	8015 NM	
880-45215-8	CS-8 (1.5')	Total/NA	Solid	8015 NM	
880-45215-9	CS-9 (1.5')	Total/NA	Solid	8015 NM	
880-45215-10	CS-10 (1.5')	Total/NA	Solid	8015 NM	
880-45215-11	CS-11 (1.5')	Total/NA	Solid	8015 NM	
880-45215-12	CS-12 (1.5')	Total/NA	Solid	8015 NM	
880-45215-13	CS-13 (1.5')	Total/NA	Solid	8015 NM	
880-45215-14	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-45215-15	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-45215-16	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-45215-17	SW-4 (1.5')	Total/NA	Solid	8015 NM	
880-45215-18	SW-5 (1.5')	Total/NA	Solid	8015 NM	
880-45215-19	SW-6 (1.5')	Total/NA	Solid	8015 NM	
880-45215-20	SW-7 (1.5')	Total/NA	Solid	8015 NM	
880-45215-21	SW-8 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 84083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-45215-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-45215-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-45215-4	CS-4 (1.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 84083 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-5	CS-5 (1.5')	Soluble	Solid	DI Leach	
880-45215-6	CS-6 (1.5')	Soluble	Solid	DI Leach	
880-45215-7	CS-7 (1.5')	Soluble	Solid	DI Leach	
880-45215-8	CS-8 (1.5')	Soluble	Solid	DI Leach	
880-45215-9	CS-9 (1.5')	Soluble	Solid	DI Leach	
880-45215-10	CS-10 (1.5')	Soluble	Solid	DI Leach	
880-45215-11	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-45215-12	CS-12 (1.5')	Soluble	Solid	DI Leach	
880-45215-13	CS-13 (1.5')	Soluble	Solid	DI Leach	
880-45215-14	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-45215-15	SW-2 (1.5')	Soluble	Solid	DI Leach	
880-45215-16	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-45215-17	SW-4 (1.5')	Soluble	Solid	DI Leach	
880-45215-18	SW-5 (1.5')	Soluble	Solid	DI Leach	
880-45215-19	SW-6 (1.5')	Soluble	Solid	DI Leach	
880-45215-20	SW-7 (1.5')	Soluble	Solid	DI Leach	
MB 880-84083/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84083/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84083/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45215-1 MS	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-45215-1 MSD	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-45215-11 MS	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-45215-11 MSD	CS-11 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 84085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-21	SW-8 (1.5')	Soluble	Solid	DI Leach	
MB 880-84085/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84085/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84085/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45215-21 MS	SW-8 (1.5')	Soluble	Solid	DI Leach	
880-45215-21 MSD	SW-8 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 84093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-1	CS-1 (1.5')	Soluble	Solid	300.0	84083
880-45215-2	CS-2 (1.5')	Soluble	Solid	300.0	84083
880-45215-3	CS-3 (1.5')	Soluble	Solid	300.0	84083
880-45215-4	CS-4 (1.5')	Soluble	Solid	300.0	84083
880-45215-5	CS-5 (1.5')	Soluble	Solid	300.0	84083
880-45215-6	CS-6 (1.5')	Soluble	Solid	300.0	84083
880-45215-7	CS-7 (1.5')	Soluble	Solid	300.0	84083
880-45215-8	CS-8 (1.5')	Soluble	Solid	300.0	84083
880-45215-9	CS-9 (1.5')	Soluble	Solid	300.0	84083
880-45215-10	CS-10 (1.5')	Soluble	Solid	300.0	84083
880-45215-11	CS-11 (1.5')	Soluble	Solid	300.0	84083
880-45215-12	CS-12 (1.5')	Soluble	Solid	300.0	84083
880-45215-13	CS-13 (1.5')	Soluble	Solid	300.0	84083
880-45215-14	SW-1 (1.5')	Soluble	Solid	300.0	84083
880-45215-15	SW-2 (1.5')	Soluble	Solid	300.0	84083
880-45215-16	SW-3 (1.5')	Soluble	Solid	300.0	84083

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 84093 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-17	SW-4 (1.5')	Soluble	Solid	300.0	84083
880-45215-18	SW-5 (1.5')	Soluble	Solid	300.0	84083
880-45215-19	SW-6 (1.5')	Soluble	Solid	300.0	84083
880-45215-20	SW-7 (1.5')	Soluble	Solid	300.0	84083
MB 880-84083/1-A	Method Blank	Soluble	Solid	300.0	84083
LCS 880-84083/2-A	Lab Control Sample	Soluble	Solid	300.0	84083
LCSD 880-84083/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84083
880-45215-1 MS	CS-1 (1.5')	Soluble	Solid	300.0	84083
880-45215-1 MSD	CS-1 (1.5')	Soluble	Solid	300.0	84083
880-45215-11 MS	CS-11 (1.5')	Soluble	Solid	300.0	84083
880-45215-11 MSD	CS-11 (1.5')	Soluble	Solid	300.0	84083

Analysis Batch: 84101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45215-21	SW-8 (1.5')	Soluble	Solid	300.0	84085
MB 880-84085/1-A	Method Blank	Soluble	Solid	300.0	84085
LCS 880-84085/2-A	Lab Control Sample	Soluble	Solid	300.0	84085
LCSD 880-84085/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84085
880-45215-21 MS	SW-8 (1.5')	Soluble	Solid	300.0	84085
880-45215-21 MSD	SW-8 (1.5')	Soluble	Solid	300.0	84085

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 15:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 15:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 17:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 17:00	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84093	06/25/24 19:45	CH	EET MID

Client Sample ID: CS-2 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-2
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			4.98 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 15:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 15:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 18:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 18:03	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 20:00	CH	EET MID

Client Sample ID: CS-3 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-3
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	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 15:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 18:24	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 18:24	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 20:05	CH	EET MID

Client Sample ID: CS-4 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 16:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 16:12	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			84159	06/25/24 18:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 18:44	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 20:10	CH	EET MID

Client Sample ID: CS-5 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-5
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	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 16:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 16:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 19:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 19:05	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 20:15	CH	EET MID

Client Sample ID: CS-6 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-6
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	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 16:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 16:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 19:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 19:26	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 20:30	CH	EET MID

Client Sample ID: CS-7 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-7
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			4.98 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 17:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 19:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 19:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 20:35	CH	EET MID

Client Sample ID: CS-8 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-8
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	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 17:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 20:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 20:08	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 20:40	CH	EET MID

Client Sample ID: CS-9 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-9
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			5.03 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 17:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 20:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 20:29	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 20:45	CH	EET MID

Client Sample ID: CS-10 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 18:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 20:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 20:49	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84093	06/25/24 20:50	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 19:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 19:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 21:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 21:31	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84093	06/25/24 20:55	CH	EET MID

Client Sample ID: CS-12 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 20:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 20:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 21:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 21:51	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84093	06/25/24 21:10	CH	EET MID

Client Sample ID: CS-13 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 20:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 20:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 22:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 22:12	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84093	06/25/24 21:15	CH	EET MID

Client Sample ID: SW-1 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 20:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 20:52	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-14
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			84159	06/25/24 22:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 22:33	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 21:31	CH	EET MID

Client Sample ID: SW-2 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-15
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			4.98 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 21:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 21:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 22:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 22:53	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 21:36	CH	EET MID

Client Sample ID: SW-3 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-16
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	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 21:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 21:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 23:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 23:14	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 21:41	CH	EET MID

Client Sample ID: SW-4 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-17
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			5.03 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 21:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 21:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 23:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 23:35	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 21:46	CH	EET MID

Client Sample ID: SW-5 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-18
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			5.01 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 22:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 22:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 23:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/25/24 23:55	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 21:51	CH	EET MID

Client Sample ID: SW-6 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 22:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 22:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/26/24 00:16	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/26/24 00:16	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 21:56	CH	EET MID

Client Sample ID: SW-7 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-20
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			4.97 g	5 mL	84082	06/25/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84037	06/25/24 22:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 22:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/26/24 00:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84104	06/25/24 14:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84032	06/26/24 00:37	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	84083	06/25/24 12:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84093	06/25/24 22:01	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-8 (1.5')
Date Collected: 06/24/24 00:00
Date Received: 06/25/24 11:45

Lab Sample ID: 880-45215-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84040	06/25/24 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84036	06/25/24 20:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84211	06/25/24 20:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84159	06/25/24 17:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84105	06/25/24 14:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84035	06/25/24 17:00	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	84085	06/25/24 13:04	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84101	06/25/24 18:55	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: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-24
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)
8015B NM	8015NM Prep	Solid	Total TPH
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: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45215-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-45215-1	CS-1 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-2	CS-2 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-3	CS-3 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-4	CS-4 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-5	CS-5 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-6	CS-6 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-7	CS-7 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-8	CS-8 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-9	CS-9 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-10	CS-10 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-11	CS-11 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-12	CS-12 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-13	CS-13 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-14	SW-1 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-15	SW-2 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-16	SW-3 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-17	SW-4 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-18	SW-5 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-19	SW-6 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-20	SW-7 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45
880-45215-21	SW-8 (1.5')	Solid	06/24/24 00:00	06/25/24 11:45

Chain of Custody



880-45215 Chain of Custody

Page 1 of 3

Project Manager:	Connor Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGI Water Solutions Permian
Address:	310 W Wall St. Ste 500	Address:	865 N. Albino Street, Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	(432) 813-6823	Email:	Joseph.Vargo@ngiapp.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Perfund ☐	
State of Project:	
Reporting Level I ☐ Level II ☐ Level III ☐ ST/UST ☐ PRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Uber East SWD		Turn Around		Peak Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	2270	☐ Routine ☒ Rush	Due Date:	24 Hours		BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0											None: NO
Project Location:	Eddy County, New Mexico																	Cool: Cool	MeOH: Me
Sampler's Name:	CRM																	HCL: HC	HNO ₃ : HN
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐														H ₃ PO ₄ : HP	
Received Intact:	Yes ☒ No ☐	Thermometer ID:																NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:																Na ₂ S ₂ O ₅ : NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:																Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Sample Comments
CS-1 (1.5')	6/24/2024		X		C	1	X	X	X										
CS-2 (1.5')	6/24/2024		X		C	1	X	X	X										
CS-3 (1.5')	6/24/2024		X		C	1	X	X	X										
CS-4 (1.5')	6/24/2024		X		C	1	X	X	X										
CS-5 (1.5')	6/24/2024		X		C	1	X	X	X										
CS-6 (1.5')	6/24/2024		X		C	1	X	X	X										
CS-7 (1.5')	6/24/2024		X		C	1	X	X	X										
CS-8 (1.5')	6/24/2024		X		C	1	X	X	X										
CS-9 (1.5')	6/24/2024		X		C	1	X	X	X										
CS-10 (1.5')	6/24/2024		X		C	1	X	X	X										

Comments: Email to Mike Cammons / mcammons@carmonaresources.com and Connor Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Connor Moehring</i>	06/25/24	<i>[Signature]</i>	06/25/24 1145

Chain of Custody

Work Order No: _____

Page 2 of 2

Project Manager:	Connor Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St Ste 500	Address:	865 N. Albino Street, Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver CO 80220
Phone:	(432) 813-6823	Email:	Joseph.Vargo@nnglp.com

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

Project Name:	Uber East SWD	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	2270																None: NO	DI Water: H ₂ O		
Project Location:	Eddy County, New Mexico	Due Date:	24 Hours														Cool: Cool	MeOH: Me		
Sample's Name:	CRM																HCL: HC	HNO ₃ : HN		
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT	Temp Blank:	Yes	No	Yes	No	Wet Ice:	Yes	No	Parameters										H ₃ PO ₄ : HP	
Received Intact:	Yes	No		Thermometer ID:					BTX 8021B										NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:					TPH 8015M (GRO + DRO + MRO)										Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:					Chloride 300.0										Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:															NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Sample Comments
CS-11 (1.5)	6/24/2024		X		C	1	X	X	X	X									
CS-12 (1.5)	6/24/2024		X		C	1	X	X	X	X									
CS-13 (1.5)	6/24/2024		X		C	1	X	X	X	X									
SW-1 (1.5)	6/24/2024		X		C	1	X	X	X	X									
SW-2 (1.5)	6/24/2024		X		C	1	X	X	X	X									
SW-3 (1.5)	6/24/2024		X		C	1	X	X	X	X									
SW-4 (1.5)	6/24/2024		X		C	1	X	X	X	X									
SW-5 (1.5)	6/24/2024		X		C	1	X	X	X	X									
SW-6 (1.5)	6/24/2024		X		C	1	X	X	X	X									
SW-7 (1.5)	6/24/2024		X		C	1	X	X	X	X									

Comments: Email to Mike Carmona / Mccarmona@carmonaresources.com and Connor Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	06/25/24		06/25/24 1145

Work Order No: _____

Page 3 of 3

Project Manager:	Connor Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmora Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St Ste 500	Address:	865 N. Albino Street, Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	(432) 813-6823	Email:	Joseph.Vargo@nngl.com

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

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	06/25/24		10/25/24 1145

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-45215-1
SDG Number: Eddy County, New Mexico

Login Number: 45215
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 6/27/2024 4:14:52 PM

JOB DESCRIPTION

Uber East SWD
Eddy County, New Mexico

JOB NUMBER

880-45292-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



Generated
6/27/2024 4:14:52 PM

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

Client: Carmona Resources
Project/Site: Uber East SWD

Laboratory Job ID: 880-45292-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45292-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Uber East SWD

Job ID: 880-45292-1

Job ID: 880-45292-1

Eurofins Midland

Job Narrative 880-45292-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 6/26/2024 1:10 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.1°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: Colombo Pit (880-45292-1).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84249 and analytical batch 880-84260 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84266 and analytical batch 880-84152 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-84266/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45292-1
SDG: Eddy County, New Mexico

Client Sample ID: Colombo Pit

Lab Sample ID: 880-45292-1

Date Collected: 06/25/24 00:00

Matrix: Solid

Date Received: 06/26/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/26/24 15:33	06/26/24 20:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/26/24 15:33	06/26/24 20:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/26/24 15:33	06/26/24 20:35	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/26/24 15:33	06/26/24 20:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/26/24 15:33	06/26/24 20:35	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/26/24 15:33	06/26/24 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/26/24 15:33	06/26/24 20:35	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/26/24 15:33	06/26/24 20:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/26/24 20:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/26/24 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/26/24 16:31	06/26/24 20:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		06/26/24 16:31	06/26/24 20:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/26/24 16:31	06/26/24 20:29	1
Total TPH	<50.0	U	50.0		mg/Kg		06/26/24 16:31	06/26/24 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	06/26/24 16:31	06/26/24 20:29	1
o-Terphenyl	86		70 - 130	06/26/24 16:31	06/26/24 20:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		4.98		mg/Kg			06/27/24 14:15	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45292-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-45288-A-6-B MS	Matrix Spike	98	100
880-45288-A-6-C MSD	Matrix Spike Duplicate	98	101
880-45292-1	Colombo Pit	104	102
LCS 880-84249/1-A	Lab Control Sample	100	100
LCSD 880-84249/2-A	Lab Control Sample Dup	100	100
MB 880-84249/5-A	Method Blank	102	100
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)
880-45292-1	Colombo Pit	91	86
880-45292-1 MS	Colombo Pit	92	88
880-45292-1 MSD	Colombo Pit	101	95
LCS 880-84266/2-A	Lab Control Sample	113	115
LCSD 880-84266/3-A	Lab Control Sample Dup	115	113
MB 880-84266/1-A	Method Blank	131 S1+	143 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45292-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-84249/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 84260							Prep Batch: 84249		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/26/24 14:53	06/26/24 19:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/26/24 14:53	06/26/24 19:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/26/24 14:53	06/26/24 19:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/26/24 14:53	06/26/24 19:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/26/24 14:53	06/26/24 19:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/26/24 14:53	06/26/24 19:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/26/24 14:53	06/26/24 19:53	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/26/24 14:53	06/26/24 19:53	1

Lab Sample ID: LCS 880-84249/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 84260							Prep Batch: 84249		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.08323		mg/Kg		83	70 - 130	
Toluene		0.100	0.07925		mg/Kg		79	70 - 130	
Ethylbenzene		0.100	0.08005		mg/Kg		80	70 - 130	
m-Xylene & p-Xylene		0.200	0.1825		mg/Kg		91	70 - 130	
o-Xylene		0.100	0.08180		mg/Kg		82	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	100		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: LCSD 880-84249/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 84260							Prep Batch: 84249			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.08483		mg/Kg		85	70 - 130	2	35
Toluene		0.100	0.08083		mg/Kg		81	70 - 130	2	35
Ethylbenzene		0.100	0.08123		mg/Kg		81	70 - 130	1	35
m-Xylene & p-Xylene		0.200	0.1855		mg/Kg		93	70 - 130	2	35
o-Xylene		0.100	0.08335		mg/Kg		83	70 - 130	2	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	100		70 - 130							
1,4-Difluorobenzene (Surr)	100		70 - 130							

Lab Sample ID: 880-45288-A-6-B MS							Client Sample ID: Matrix Spike		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 84260							Prep Batch: 84249		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.07198		mg/Kg		72	70 - 130
Toluene	<0.00199	U F1	0.100	0.06142	F1	mg/Kg		61	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45292-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-45288-A-6-B MS
Matrix: Solid
Analysis Batch: 84260

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 84249

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.100	0.05559	F1	mg/Kg		55	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1233	F1	mg/Kg		62	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.05285	F1	mg/Kg		53	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	98		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 880-45288-A-6-C MSD
Matrix: Solid
Analysis Batch: 84260

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 84249

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0994	0.07008		mg/Kg		71	70 - 130	3	35
Toluene	<0.00199	U F1	0.0994	0.05817	F1	mg/Kg		59	70 - 130	5	35
Ethylbenzene	<0.00199	U F1	0.0994	0.05104	F1	mg/Kg		51	70 - 130	9	35
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1130	F1	mg/Kg		57	70 - 130	9	35
o-Xylene	<0.00199	U F1	0.0994	0.04874	F1	mg/Kg		49	70 - 130	8	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	98		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

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

Lab Sample ID: MB 880-84266/1-A
Matrix: Solid
Analysis Batch: 84152

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84266

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		06/26/24 16:30	06/26/24 19:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/26/24 16:30	06/26/24 19:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/26/24 16:30	06/26/24 19:26	1
Total TPH	<50.0	U	50.0		mg/Kg		06/26/24 16:30	06/26/24 19:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	131	S1+	70 - 130						
o-Terphenyl	143	S1+	70 - 130						

Lab Sample ID: LCS 880-84266/2-A
Matrix: Solid
Analysis Batch: 84152

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	949.7		mg/Kg		95	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45292-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-84266/2-A				Client Sample ID: Lab Control Sample					
Matrix: Solid				Prep Type: Total/NA					
Analysis Batch: 84152				Prep Batch: 84266					
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)			1000	904.9		mg/Kg		90	70 - 130
		LCS	LCS						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	113		70 - 130						
o-Terphenyl	115		70 - 130						

Lab Sample ID: LCSD 880-84266/3-A				Client Sample ID: Lab Control Sample Dup						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 84152				Prep Batch: 84266						
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	974.6		mg/Kg		97	70 - 130	3 20
Diesel Range Organics (Over C10-C28)			1000	917.2		mg/Kg		92	70 - 130	1 20
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	115		70 - 130							
o-Terphenyl	113		70 - 130							

Lab Sample ID: 880-45292-1 MS						Client Sample ID: Colombo Pit					
Matrix: Solid						Prep Type: Total/NA					
Analysis Batch: 84152						Prep Batch: 84266					
Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	994	911.0		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	994	514.1	F1	mg/Kg		52	70 - 130		
										</	

Lab Sample ID: 880-45292-1 MSD				Client Sample ID: Colombo Pit						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 84152				Prep Batch: 84266						
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	994	998.7		mg/Kg		97	70 - 130	9 20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	994	561.5	F1	mg/Kg		56	70 - 130	9 20
		MSD	MSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	101		70 - 130							
o-Terphenyl	95		70 - 130							

QC Sample Results

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45292-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-84258/1-A Matrix: Solid Analysis Batch: 84311										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			06/27/24 12:56	1		

Lab Sample ID: LCS 880-84258/2-A Matrix: Solid Analysis Batch: 84311										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.9		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-84258/3-A Matrix: Solid Analysis Batch: 84311										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	243.2		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-45297-A-2-D MS Matrix: Solid Analysis Batch: 84311										Client Sample ID: Matrix Spike Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	27.7		248	283.8		mg/Kg		103	90 - 110		

Lab Sample ID: 880-45297-A-2-E MSD Matrix: Solid Analysis Batch: 84311										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	27.7		248	282.3		mg/Kg		103	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45292-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 84249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45292-1	Colombo Pit	Total/NA	Solid	5035	
MB 880-84249/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84249/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84249/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45288-A-6-B MS	Matrix Spike	Total/NA	Solid	5035	
880-45288-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 84260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45292-1	Colombo Pit	Total/NA	Solid	8021B	84249
MB 880-84249/5-A	Method Blank	Total/NA	Solid	8021B	84249
LCS 880-84249/1-A	Lab Control Sample	Total/NA	Solid	8021B	84249
LCSD 880-84249/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84249
880-45288-A-6-B MS	Matrix Spike	Total/NA	Solid	8021B	84249
880-45288-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	84249

Analysis Batch: 84326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45292-1	Colombo Pit	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 84152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45292-1	Colombo Pit	Total/NA	Solid	8015B NM	84266
MB 880-84266/1-A	Method Blank	Total/NA	Solid	8015B NM	84266
LCS 880-84266/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84266
LCSD 880-84266/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84266
880-45292-1 MS	Colombo Pit	Total/NA	Solid	8015B NM	84266
880-45292-1 MSD	Colombo Pit	Total/NA	Solid	8015B NM	84266

Prep Batch: 84266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45292-1	Colombo Pit	Total/NA	Solid	8015NM Prep	
MB 880-84266/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84266/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84266/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45292-1 MS	Colombo Pit	Total/NA	Solid	8015NM Prep	
880-45292-1 MSD	Colombo Pit	Total/NA	Solid	8015NM Prep	

Analysis Batch: 84314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45292-1	Colombo Pit	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 84258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45292-1	Colombo Pit	Soluble	Solid	DI Leach	
MB 880-84258/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84258/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84258/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45292-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 84258 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45297-A-2-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-45297-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 84311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45292-1	Colombo Pit	Soluble	Solid	300.0	84258
MB 880-84258/1-A	Method Blank	Soluble	Solid	300.0	84258
LCS 880-84258/2-A	Lab Control Sample	Soluble	Solid	300.0	84258
LCSD 880-84258/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84258
880-45297-A-2-D MS	Matrix Spike	Soluble	Solid	300.0	84258
880-45297-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	84258

Lab Chronicle

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45292-1
SDG: Eddy County, New Mexico

Client Sample ID: Colombo Pit
Date Collected: 06/25/24 00:00
Date Received: 06/26/24 13:10

Lab Sample ID: 880-45292-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84249	06/26/24 15:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84260	06/26/24 20:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84326	06/26/24 20:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			84314	06/26/24 20:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	84266	06/26/24 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84152	06/26/24 20:29	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	84258	06/26/24 15:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84311	06/27/24 14:15	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: Uber East SWD

Job ID: 880-45292-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-24
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)
8015B NM	8015NM Prep	Solid	Total TPH
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: Uber East SWD

Job ID: 880-45292-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Uber East SWD

Job ID: 880-45292-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-45292-1	Colombo Pit	Solid	06/25/24 00:00	06/26/24 13:10

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

Chain of Custody



880-45292 Chain of Custody

Page 1 of 1

Work Order Comments	
Program: US/PST	PRP ☐ JRC ☐ Brownfields ☐ Level IV ☐
State of Project:	
Reporting: Level II ☐ Level III ☐ JST/UST ☐ RRP ☐	Other: ADaPT ☐
Deliverables: EDD ☐	

Project Manager:	Connor Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St Ste 500	Address:	865 N. Albino Street, Suite 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	(432) 813-6823	Email:	Joseph.Vargo@nnglep.com

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Mike Cameron	6/26/24	[Signature]	6/26/24 1310

- 1
- 2
- 3
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- 14

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-45292-1
SDG Number: Eddy County, New Mexico

Login Number: 45292
List Number: 1
Creator: Vasquez, Julisa

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

QUESTIONS

Action 362345

QUESTIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 362345
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2403644942
Incident Name	NAPP2403644942 UBER EAST SWD @ 30-015-43806
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-43806] UBER EAST SWD #001

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Uber East SWD
Date Release Discovered	02/04/2024
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Valve Produced Water Released: 17 BBL Recovered: 12 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I

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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

QUESTIONS, Page 2

Action 362345

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:	372338
	Action Number:	362345
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Joseph Vargo Title: Regulatory manager Email: joseph.vargo@nglep.com Date: 07/09/2024
--	--

District I

1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
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QUESTIONS, Page 3

Action 362345

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:
	372338
	Action Number:
	362345
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	43200
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	68.2
GRO+DRO	(EPA SW-846 Method 8015M)	68.2
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	06/18/2024
On what date will (or did) the final sampling or liner inspection occur	06/24/2024
On what date will (or was) the remediation complete(d)	06/28/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	4629
What is the estimated volume (in cubic yards) that will be remediated	400

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 362345

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:	372338
	Action Number:	362345
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Northern Delaware Disposal
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Joseph Vargo Title: Regulatory manager Email: joseph.vargo@nglep.com Date: 07/09/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 362345

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 362345
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 362345

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:	372338
	Action Number:	362345
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	356313
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/24/2024
What was the (estimated) number of samples that were to be gathered	24
What was the sampling surface area in square feet	4500

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4629
What was the total volume (cubic yards) remediated	400
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Release Stayed On Pad

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Joseph Vargo Title: Regulatory manager Email: joseph.vargo@nglep.com Date: 07/09/2024
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QUESTIONS, Page 7

Action 362345

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 362345
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 362345

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/10/2024