



SITE INFORMATION

Work Plan
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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March 14, 2024

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

**Re: Work Plan
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 valve, human error. It resulted in the release of approximately seventeen (17) barrels of produced water, and approximately twelve (12) barrels of produced water were recovered. The impacted area was on the pad, as shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest 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.

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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4.0 Site Assessment Activities

Between February 12, 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 2.0' 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 sampling results are summarized in Table 1 and see Figure 3 for the sample locations.

5.0 Proposed Work Plan

Based on the analytical data and the detected chloride concentrations, NGL proposes to remediate the areas shown in Figure 4 and highlighted (blue) in Table 1. Below is a list of proposed tasks to be undertaken to be in compliance with NAMC 19.15.29.12.

- Vertically delineate the area of T-2 until chloride concentrations are less than 600 mg/kg.
- The areas of T-2 & T-4 will be excavated to a depth of 1.5' bgs and backfilled with clean material to grade. See Figure 4 for a proposed excavation map.
- An estimated 300 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth.
- A variance is requested per 19.15.29.14. A variance for NMAC 19.15.29.12.5.D.1.C, Five-point composite bottom floor hole, and sidewall samples will be collected every 500 square feet to represent the release area.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.

6.0 Conclusions

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). 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


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432.813.1992

FIGURES

CARMONA RESOURCES





<p>SITE OVERVIEW MAP NGL WATER SOLUTIONS UBER EAST SWD (02.04.2024) EDDY COUNTY, NEW MEXICO 32.288867°, -103.725522°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 1</p>
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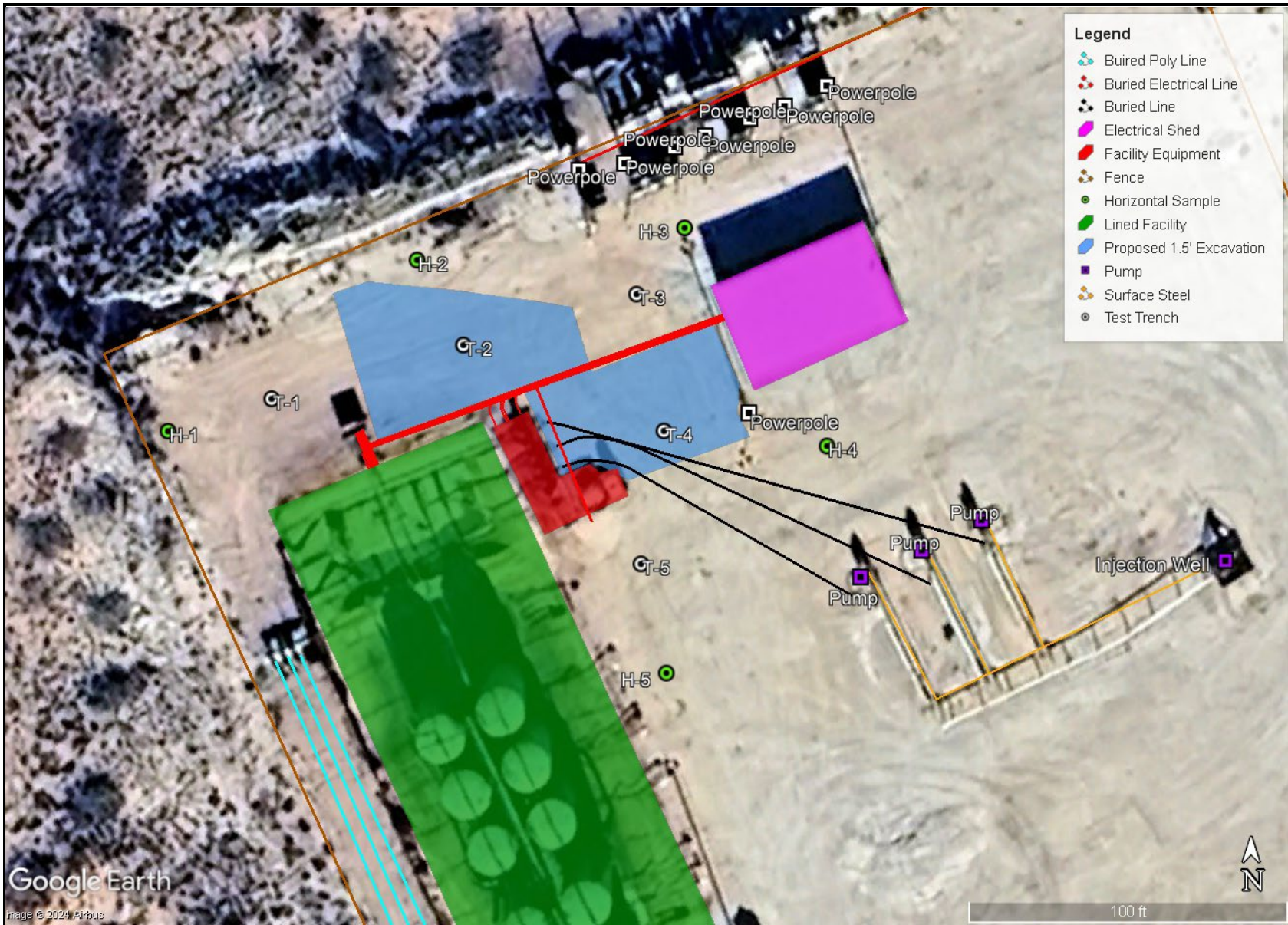
TOPOGRAPHIC MAP
NGL WATER SOLUTIONS
UBER EAST SWD (02.04.2024)
EDDY COUNTY, NEW MEXICO
32.288867°, -103.725522°




FIGURE 2



<p>SAMPLE LOCATION MAP NGL WATER SOLUTIONS UBER EAST SWD (02.04.2024) EDDY COUNTY, NEW MEXICO 32.288867°, -103.725522°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3</p>
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<p>PROPOSED EXCAVATION MAP NGL WATER SOLUTIONS UBER EAST SWD (02.04.2024) EDDY COUNTY, NEW MEXICO 32.288867°, -103.725522°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4</p>
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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

 Proposed Excavation

**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
<i>Regulatory Criteria^A</i>			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

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

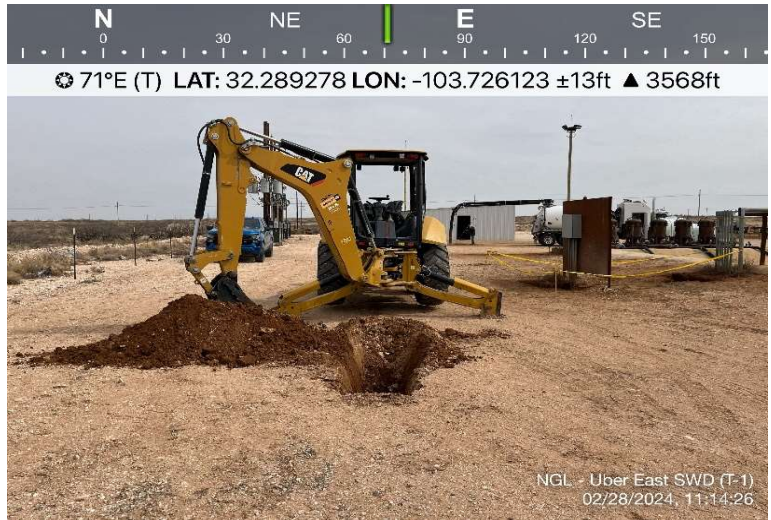
NGL Energy Partners

Photograph No. 1

Facility: Uber East SWD (02.04.2024)

County: Eddy County, New Mexico

Description:
View East, area of T-1.

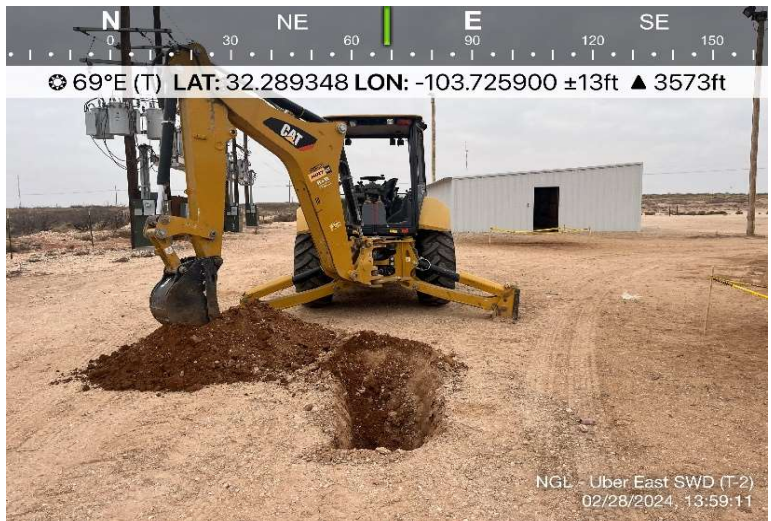


Photograph No. 2

Facility: Uber East SWD (02.04.2024)

County: Eddy County, New Mexico

Description:
View Northeast, area of T-2.

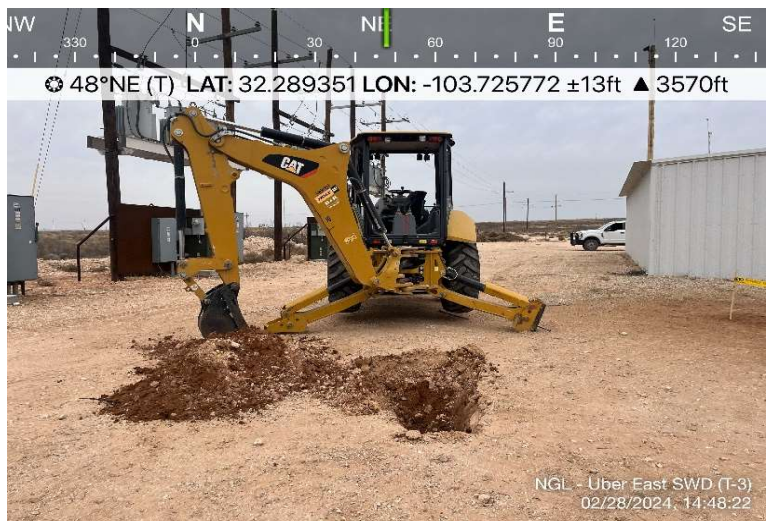


Photograph No. 3

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.

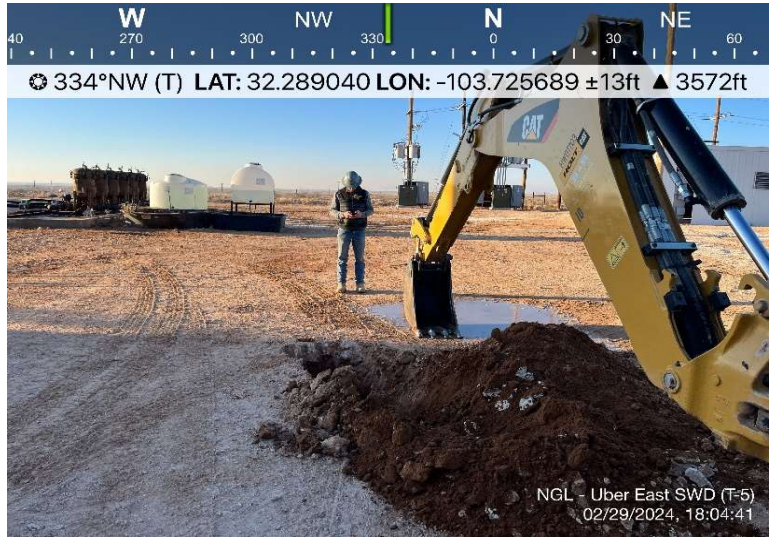


Photograph No. 5

Facility: Uber East SWD (02.04.2024)

County: Eddy County, New Mexico

Description:
View Northwest, area of T-5.



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	
<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.

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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	<i>Unavailable.</i>

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	<i>Not answered.</i>

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.

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Energy, Minerals and Natural Resources
Oil Conservation Division
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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

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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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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
javargo	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

2 BBLs RELEASED INSIDE CONTAINMENT – SUCTIONED UP AND PROCESSED TO DETERMINE AMOUNT

12 BBLs WERE ABLE TO BE SUCTIONED UP USING VACUUM TRUCK OUTSIDE CONTAINMENT

3 BBLs WERE NOT ABLE TO BE RECOVERED FROM OUTSIDE CONTAINMENT

BRINGING TOTAL TO 17 BBLs

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

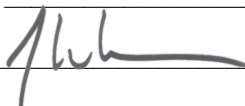
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____
 Signature:  _____ Date: _____
 email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

APPENDIX D









CARMONA RESOURCES

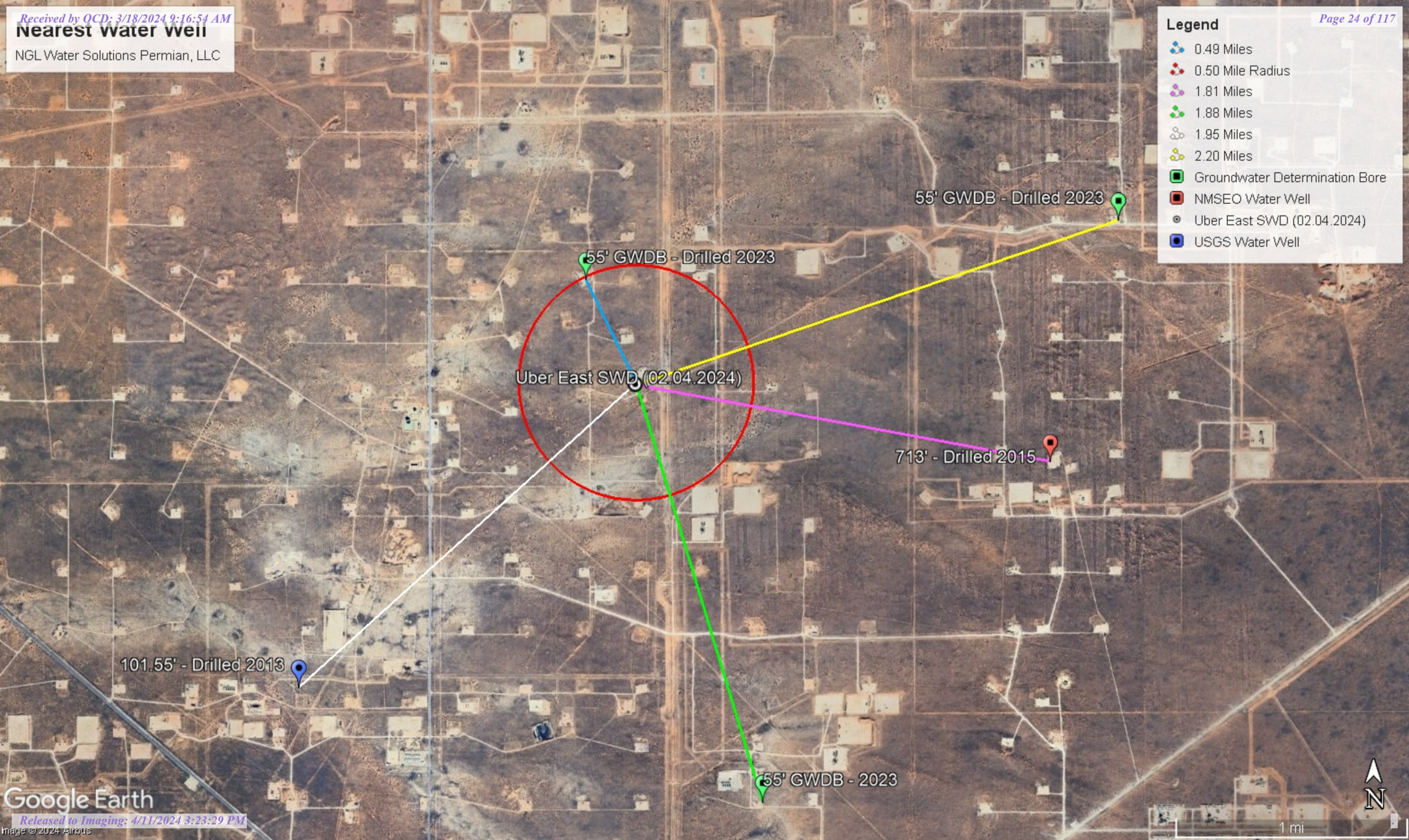


Nearest water well

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



55' GWDB - Drilled 2023

55' GWDB - Drilled 2023

Uber East SWD (02.04.2024)

713' - Drilled 2015

101.55' - Drilled 2013



55' GWDB - 2023



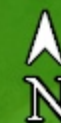
Low Karst

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

UTMNAD83 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.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

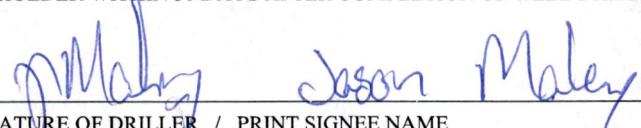
www.ose.state.nm.us

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: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry		DATE STATIC MEASURED Dry	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES - SPECIFY:			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		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)
	FROM	TO						
	0	45	8"	2" PVC Sch 40	Thread	2"	Sch 40	—
	45	55	8"	2" PVC Sch 40 (screen)	Thread	2"	Sch 40	.02

3. ANNULAR MATERIAL	DEPTH (feet bgl)		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
	FROM	TO				
				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	Men 23.21.24.412	WELL TAG ID NO.	—	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			Y	N	
	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	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):		
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					Dry		
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:						
	<p style="text-align: right;">OSE DOT APR 4 2023 PM 1:23</p> PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:						
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 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-POD3	POD NO. 3	TRN NO. 743189	
LOCATION Neen 23.31.24.412	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 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 NM	ZIP 88221-3090
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 17	SECONDS 2.3	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE	103	41	42.3	* DATUM REQUIRED: WGS 84
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: <input checked="" type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 713			
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> 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	

STATE ENGINEER OFFICE
 1000 W. WASHINGTON AVE. EXT. 100
 CARLSBAD, NM 88221
 2015 NOV 10 PM 3:35

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

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: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:				TOTAL ESTIMATED WELL YIELD (gpm): 3.00	

STATE ENGINEER OFFICE
 NEW MEXICO
 2015 NOV 10 PM 3:35

4. HYDROGEOLOGIC LOG OF WELL	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.
5. TEST; RIG SUPERVISION	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 SIGNEE 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
LOCATION	23S. 32E. 20. 4-3-3	TRN NUMBER	564731
		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	
	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						

2. DRILLING & CASING INFORMATION	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: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry	DATE STATIC MEASURED Dry		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> 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 (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	45	6	2" pvc sch 40	Thread	2"	Sch 40	-
	45	55	6	2" pvc sch 40	Tread	2"	Sch 40	.02

3. ANNULAR MATERIAL	DEPTH (feet bgl)		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
	FROM	TO				
				None Potted And Plugged		

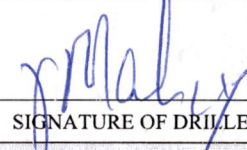
FOR OSE INTERNAL USE

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

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			Y	N	
	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	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):		
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					Dry		

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:	

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 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
		 SIGNATURE OF DRILLER / PRINT SIGNEE NAME

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	C-4712-POD 1	POD NO.	1
LOCATION		TRN NO.	743189
Wagon 23.32.31.141		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 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 cursive script, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News 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-4712 POD 2		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 * DATUM REQUIRED: WGS 84	
	LONGITUDE -103	41	24.2	W		
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: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry	DATE STATIC MEASURED Dry	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		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)
	FROM	TO					
				None			

3. ANNULAR MATERIAL	DEPTH (feet bgl)		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
	FROM	TO				

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 Mon 23.32.17.444		WELL TAG ID NO. _____	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			Y	N	
	0	35	35	White Caliche	Y	<input checked="" type="radio"/> N	
	35	55	55	Red Fine Sand Dry	Y	<input checked="" type="radio"/> 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: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): Dry		

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: 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: OISE DJJ APR 4 2023 PML 123		

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 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE
<u>Jason Malby</u> Jason Malby		
3/24/23		

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	Non 23.32.17.444	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 cursive script, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell

FEMA National Flood Hazard Layer (NFHL)

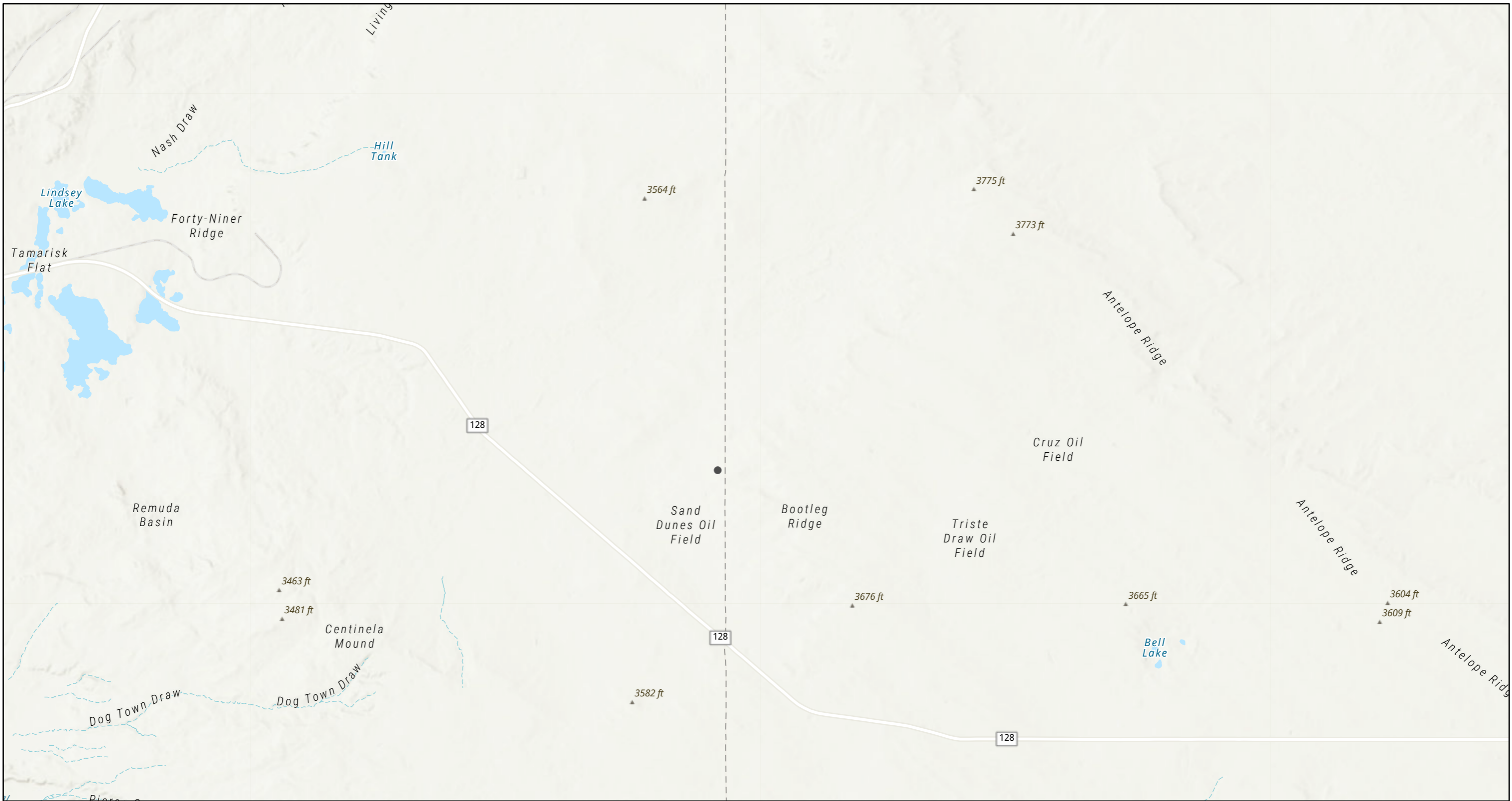


FEMA flood layer

600ft

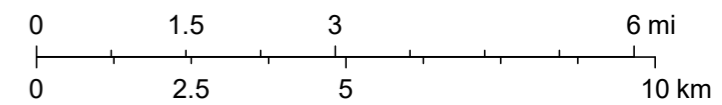
Maxar | Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

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 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

Eurofins Midland

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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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-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

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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-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

Surrogate Summary

Client: Carmona Resources
Project/Site: Uber East SWDJob ID: 880-39530-1
SDG: Eddy County ,New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-39506-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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		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

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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)

Lab Sample ID: MB 880-73802/5-A
 Matrix: Solid
 Analysis Batch: 73977

Client Sample ID: Method Blank
 Prep Type: Total/NA
 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
 Matrix: Solid
 Analysis Batch: 73977

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 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
 Matrix: Solid
 Analysis Batch: 73977

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

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 73977

Prep Batch: 73802

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
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	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

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

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 73977

Prep Batch: 73802

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
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	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 73976

Prep Batch: 73889

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/24 16:19	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	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 73976

Prep Batch: 73889

Analyte	Spike	Added	LCS	LCS	Unit	D	%Rec	%Rec
			Result	Qualifier				
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	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	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

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 %Recovery	MSD Qualifier	Limits
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 %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
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 %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
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

Eurofins Midland

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	Analyzed	Dil Fac
	%Recovery	Qualifier				
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 Limits	RPD	RPD Limit
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

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: 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	Limit
	Result	Qualifier	Added	Result	Qualifier				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	MSD									
	%Recovery	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	LCS	Unit	D	%Rec	%Rec	RPD	Limit
		Result	Qualifier				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

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

QC Association Summary

Client: Carmona Resources
 Project/Site: Uber East SWD

Job ID: 880-39530-1
 SDG: Eddy Conty ,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 SWDJob 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 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

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)

Lab Sample ID: 880-39530-2

Date Collected: 02/12/24 00:00

Matrix: Solid

Date Received: 02/16/24 15:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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)

Lab Sample ID: 880-39530-3

Date Collected: 02/12/24 00:00

Matrix: Solid

Date Received: 02/16/24 15:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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)

Lab Sample ID: 880-39530-4

Date Collected: 02/12/24 00:00

Matrix: Solid

Date Received: 02/16/24 15:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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 County, New Mexico

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

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)

Lab Sample ID: 880-39530-5

Date Collected: 02/12/24 00:00

Matrix: Solid

Date Received: 02/16/24 15:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

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

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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880-39530 Chain of Custody

Project Manager: Connor Moehring
 Company Name: Carmona Resources
 Address: 310 W Wall St Ste 500
 City, State ZIP: Midland, TX 79701
 Phone: (432) 813-6823

Bill to: (if different) Joseph Vargo
 Company Name: NGL Water Solutions Permian
 Address: 865 N. Albino Street, Suite 400
 City, State ZIP: Denver, CO 80220
 Email: Joseph.Vargo@nolep.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
 Project Number: 2270
 Project Location: Eddy County, New Mexico
 Sampler's Name: CRM
 PO #:

Turn Around: Routine Rush
 Due Date:
 Wet Ice: Yes No

Temp Blank: Yes No
 Received Intact: Yes No
 Cooler Custody Seals: Yes No
 Sample Custody Seals: Yes No
 Total Containers: 1-3

Thermometer ID: 1-10
 Correction Factor: 1-3
 Temperature Reading: 1-7
 Corrected Temperature: 1-7

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		Pres. Code
							TPH 8015M (GR0 + DR0 + MRO)	Chloride 300.0	
H-1 (0-0.5')	2/12/2024		X		G	1			
H-2 (0-0.5')	2/12/2024		X		G	1			
H-3 (0-0.5')	2/12/2024		X		G	1			
H-4 (0-0.5')	2/12/2024		X		G	1			
H-5 (0-0.5')	2/12/2024		X		G	1			

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

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



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	

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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

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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.
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: 880-40230-1

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')

Lab Sample ID: 880-40230-2

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-3

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 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')

Lab Sample ID: 880-40230-7

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-8

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 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')

Lab Sample ID: 880-40230-9

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	92.1		5.01		mg/Kg			03/10/24 16:24	1

Client Sample ID: T-3 (2')

Lab Sample ID: 880-40230-10

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 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')

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)

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')

Lab Sample ID: 880-40230-12

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-13

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 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

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 (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')

Lab Sample ID: 880-40230-14

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	7700		50.4		mg/Kg			03/10/24 17:16	10

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-40230-15

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 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')

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)

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (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

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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: 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

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

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	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
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	MS	Limits
	%Recovery	Qualifier	
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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
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	MSD	Limits
	%Recovery	Qualifier	
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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130		03/06/24 23:58	1
1,4-Difluorobenzene (Surr)	142	S1+	70 - 130		03/06/24 23:58	1

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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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 MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/05/24 08:00	03/05/24 08:11	1
Oll 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 MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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
Diesel Range Organics (Over C10-C28)	1000	994.6		mg/Kg		99	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
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 LCSD		Limits
	%Recovery	Qualifier	
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
Diesel Range Organics (Over C10-C28)	96.3		991	888.9		mg/Kg		80	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
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

Surrogate	%Recovery	MS MS Qualifier	Limits
<i>o</i> -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		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
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	

Surrogate	%Recovery	MSD MSD Qualifier	Limits
1-Chlorooctane	111		70 - 130
<i>o</i> -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 MB Result 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 LCS Result 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 LCSD Result Qualifier	Unit	D	%Rec	%Rec Limits	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 MS Result Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	23000	F1	12500	37010 F1	mg/Kg		112	90 - 110

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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: 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

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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 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	

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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 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	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Uber East SWDJob 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')

Lab Sample ID: 880-40230-1

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-2

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-3

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-4

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-4

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-5

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-6

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-7

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-7

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-8

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-9

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-10

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

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-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

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')

Lab Sample ID: 880-40230-12

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-13

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-14

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-14

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-15

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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')

Lab Sample ID: 880-40230-16

Date Collected: 02/28/24 00:00

Matrix: Solid

Date Received: 03/04/24 10:38

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

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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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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@nglpa.com

Work Order Comments

Program: UST/PST PRR Brownfields IRC Pertund

State of Project: Level II Level III ST/UST RRP Level IV

Deliverables EDD ADAPT Other

Project Name:	Uber East SWD	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code		
Project Number:	2270					
Project Location:	Eddy County New Mexico					
Sampler's Name:	GPJ					
PO #:						
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice	Yes	No
Received Intact:	Yes	No		Thermometer ID	-10	
Cooler Custody Seals:	Yes	No		Correction Factor	5.0	
Sample Custody Seals:	Yes	No		Temperature Reading	5.7	
Total Containers:		Yes	No	Corrected Temperature:		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	
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
			3/11/24
	Received by (Signature)		Date/Time
			10:58

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Chain of Custody

Work Order No.: 40230 Loc: 880

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@nglpc.com

Work Order Comments	
Program: UST/PRP	<input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> IRC <input type="checkbox"/> Pertund
State of Project:	Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other

Project Name	Project Number	Project Location	Sampler's Name	PO #	Temp Blank	Yes No	Thermometer ID	Well Ice	Yes No	Turn Around	Due Date	Pres. Code	ANALYSIS REQUEST			Preservative Codes																												
													BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0																													
Uber East SWD	2270	Eddy County New Mexico	GPJ							<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Received Intact:</td> <td>Yes No</td> <td>Temperature Reading</td> <td>Corrected Temperature</td> </tr> <tr> <td>Cooler Custody Seals</td> <td>Yes No</td> <td>Temperature Reading</td> <td>Corrected Temperature</td> </tr> <tr> <td>Sample Custody Seals</td> <td>Yes No</td> <td>Temperature Reading</td> <td>Corrected Temperature</td> </tr> <tr> <td>Total Containers:</td> <td></td> <td></td> <td></td> </tr> </table>													Received Intact:	Yes No	Temperature Reading	Corrected Temperature	Cooler Custody Seals	Yes No	Temperature Reading	Corrected Temperature	Sample Custody Seals	Yes No	Temperature Reading	Corrected Temperature	Total Containers:																			
Received Intact:	Yes No	Temperature Reading	Corrected Temperature																																									
Cooler Custody Seals	Yes No	Temperature Reading	Corrected Temperature																																									
Sample Custody Seals	Yes No	Temperature Reading	Corrected Temperature																																									
Total Containers:																																												
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont										Sample Comments																											
T-4 (0-1')		2/29/2024		X		G	1	X	X	X																																		
T-4 (1-5')		2/29/2024		X		G	1	X	X	X																																		
T-4 (2')		2/29/2024		X		G	1	X	X	X																																		
T-5 (0-1')		2/29/2024		X		G	1	X	X	X																																		
T-5 (1-5')		2/29/2024		X		G	1	X	X	X																																		
T-5 (2')		2/29/2024		X		G	1	X	X	X																																		

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	3/1/24 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	

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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 324089

QUESTIONS

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)

QUESTIONS

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

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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 324089

QUESTIONS (continued)

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)

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	<i>Unavailable.</i>

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	<i>Not answered.</i>

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: 02/05/2024
--	--

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

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)

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
<i>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.</i>	
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	05/01/2024
On what date will (or did) the final sampling or liner inspection occur	05/01/2024
On what date will (or was) the remediation complete(d)	05/01/2024
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	300

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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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 4

Action 324089

QUESTIONS (continued)

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)

QUESTIONS

Remediation Plan (continued)

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(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	Not answered.
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)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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 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: 03/18/2024
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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 5

Action 324089

QUESTIONS (continued)

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)

QUESTIONS

Deferral Requests Only

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.

Requesting a deferral of the remediation closure due date with the approval of this submission	No
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QUESTIONS, Page 6

Action 324089

QUESTIONS (continued)

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)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	No

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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