



SITE INFORMATION

Work Plan

Scott B SWD (06.16.2024)
Incident # NAPP2416936979
Eddy County, New Mexico
Unit N Sec 23 T24S R28E
32.196757°, -104.059584°

Produced Water Release

Point of Release: Injection Flowline Failure Due to Corrosion
Release Date: 06/16/2024
Volume Released: 85 Barrels of Produced Water
Volume Recovered: 70 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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September 11, 2024

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

**Re: Work Plan
Scott B SWD (06.16.24)
NGL Water Solutions Permian, LLC
Incident # NAPP2416936979
Site Location: Unit N Sec 23 T24S R28E
(Lat 32.196757°, Long -104.059584°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of NGL Energy Partners (NGL), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Scott B SWD. The site is located at 32.196757°, -104.059584° within Unit N, S23, T24S, R28E in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 16, 2024, due to the corrosion of an injection flowline. It resulted in the release of approximately eighty-five (85) barrels of produced water on pad and in the pasture. Approximately seventy (70) barrels of produced water were recovered. Refer to Figure 3. The Notification of Release is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.24 miles east of the site in S26, T24S, R28E and was drilled in 2015. The well has a reported depth to groundwater of 55' below ground surface (ft bgs). The second identified well is located approximately 0.27 miles southeast of the site in S26, T24S, R28E and was drilled in 2018. The well has a reported depth to groundwater of 58' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

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432.813.1992



4.0 Site Assessment Activities

Trenching Assessment

On August 1, 2024, Carmona Resources, LLC performed a trenching site assessment to evaluate soil impacts stemming from the release. A total of five (5) trenches (T-1 through T-5) and seven (7) horizontal sample points (H-1 through H-7) were advanced to depths ranging from surface to 10' bgs inside and around 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. See Figure 3 for the sample locations.

5.0 Proposed Work Plan

Based on the analytical data and the detected chloride & TPH concentrations, NGL proposes to remediate the areas shown in Figure 4 and highlighted (blue) in Table 1.

- The area of T-1 will be excavated to a depth of 4.5' bgs and backfilled with clean material to grade.
- An estimated 703 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth. However, it is subject to change if vertical delineation is achieved sooner.
- A variance is requested per Section 19.15.29.14. An NMAC, 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 Reclamation Activities

Once the remediation activities are completed, the backfilled area off the pad will be reseeded with the seed mixture the landowner requests. The appropriate pounds of pure live seed per acre were used. The seeds were applied via hand broadcasting method. The surrounding topsoil will be raked onto the seed to aid the vegetation process

7.0 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

Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES

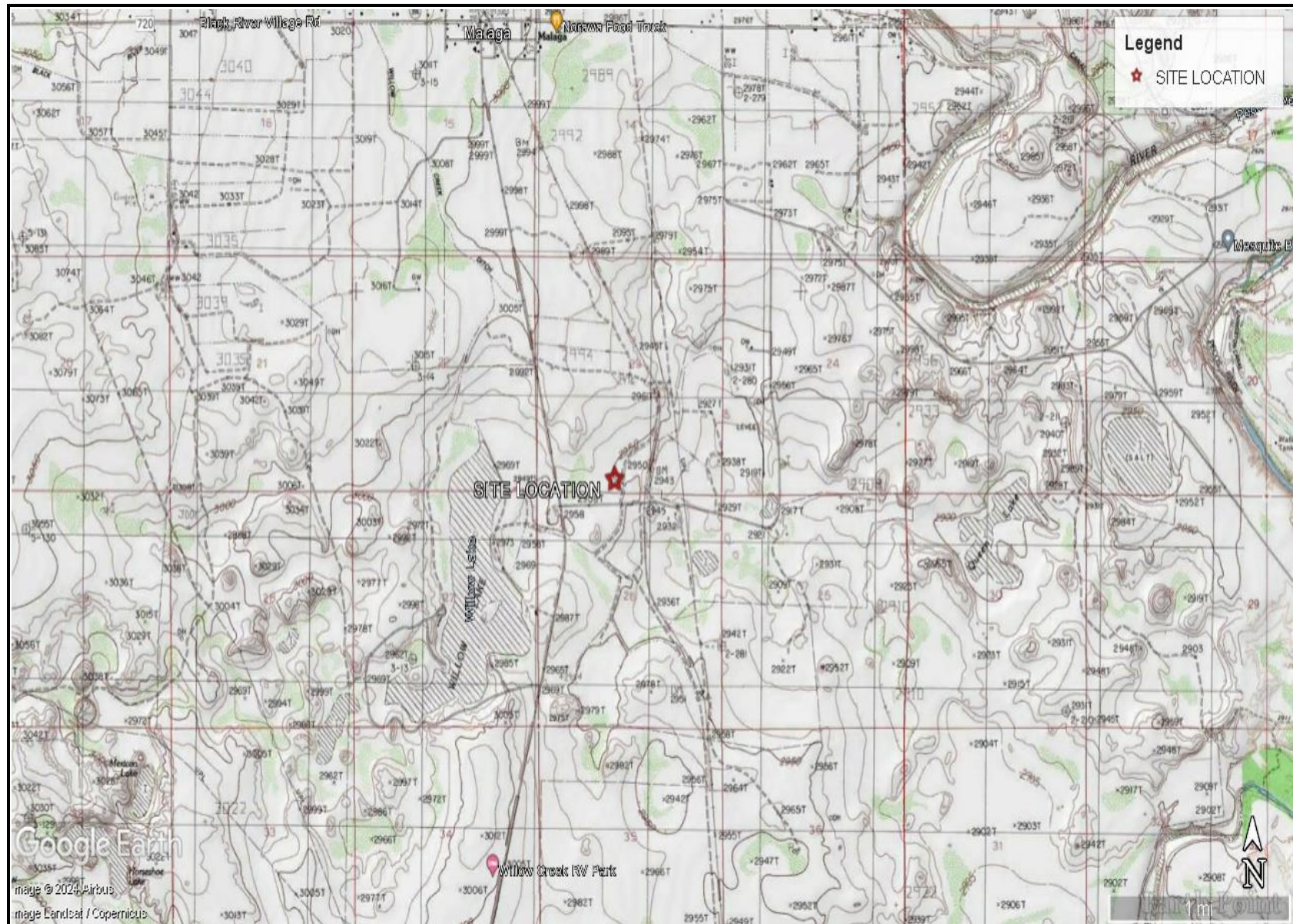




SITE OVERVIEW MAP
NGL WATER SOLUTIONS
SCOTT B SWD (06.16.2024)
EDDY COUNTY, NEW MEXICO
32.196757°, -104.059584°



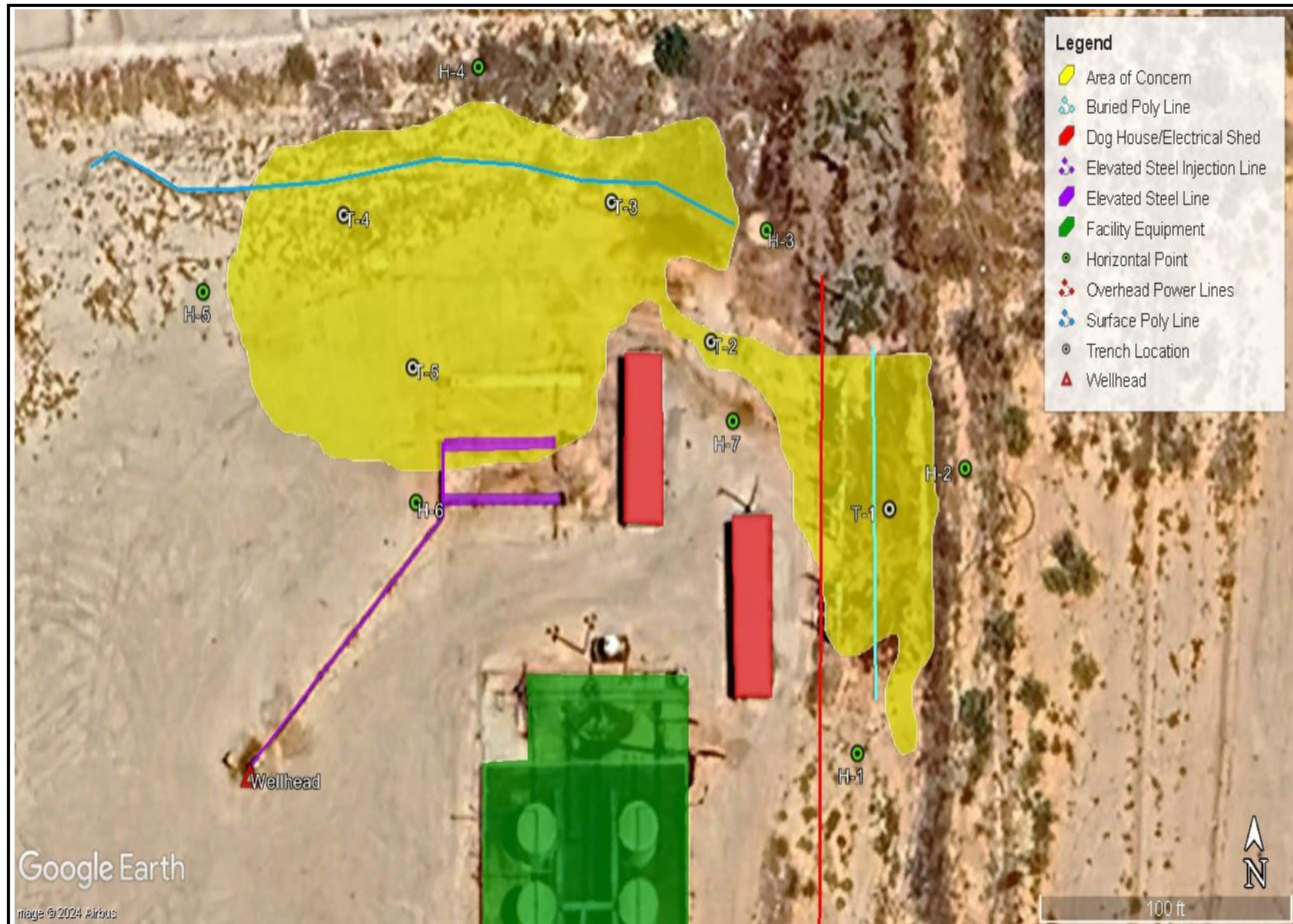
FIGURE 1



TOPOGRAPHIC MAP
NGL WATER SOLUTIONS
SCOTT B SWD (06.16.2024)
EDDY COUNTY, NEW MEXICO
32.196757°, -104.059584°



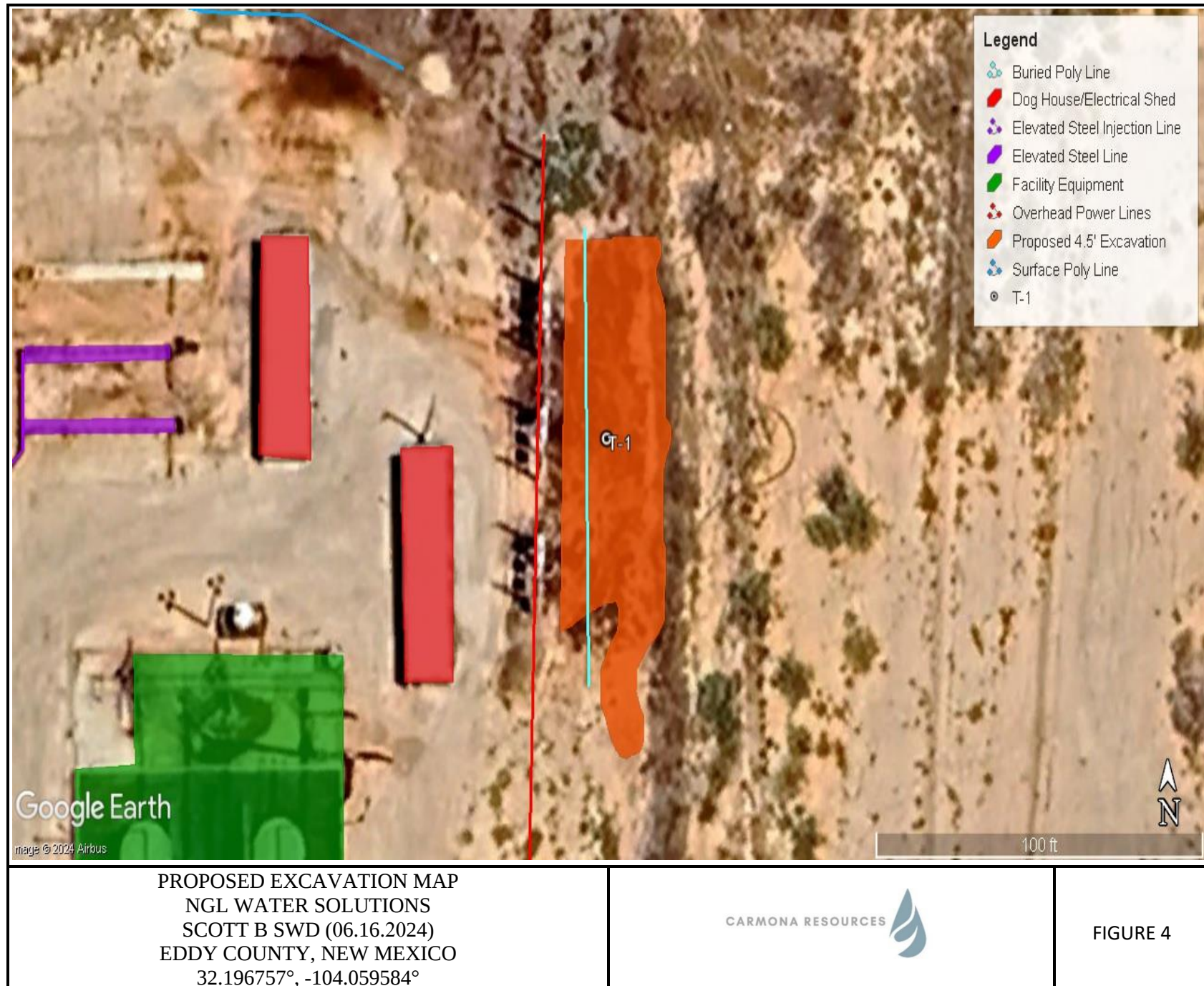
FIGURE 2

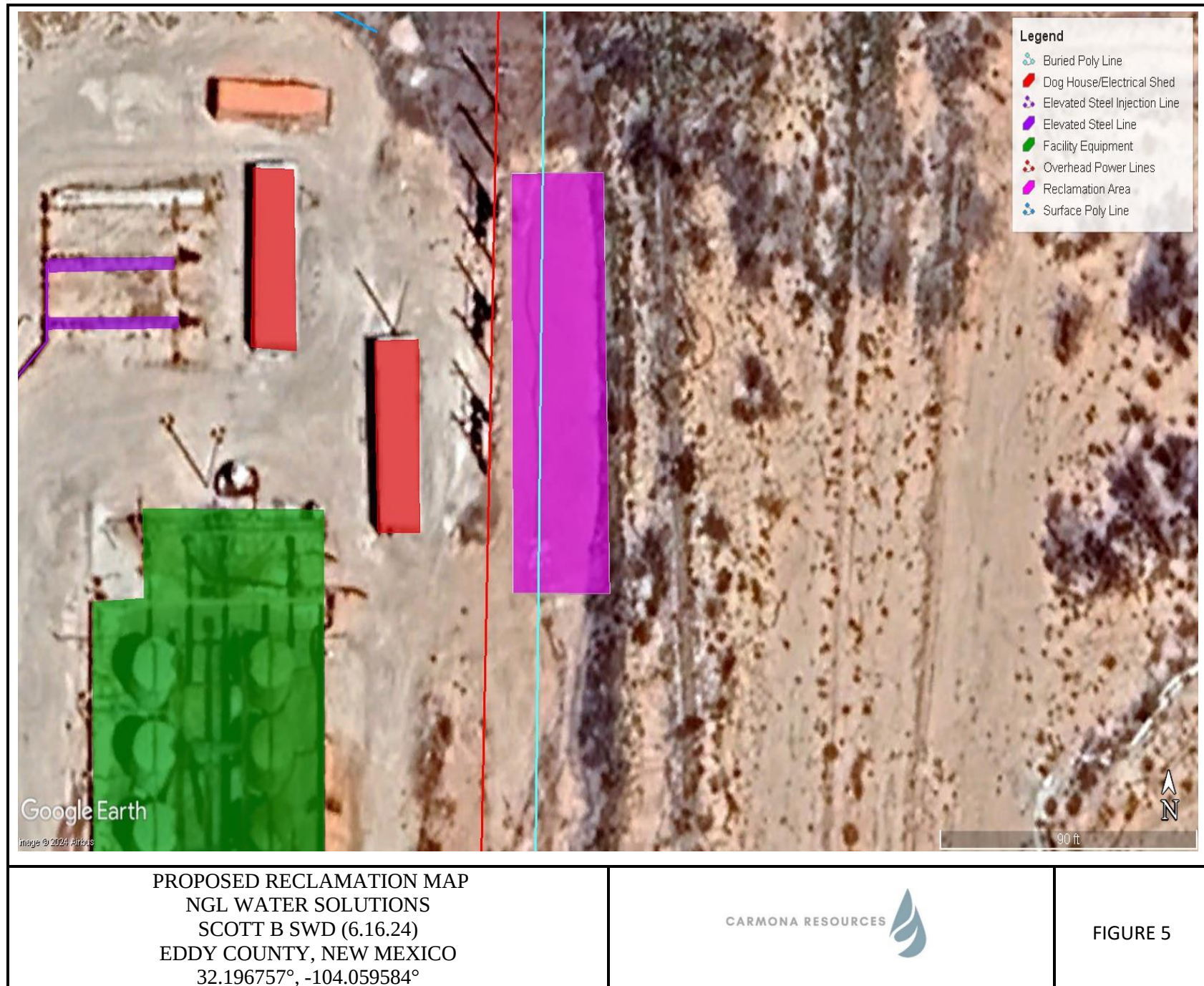


SAMPLE LOCATION MAP
NGL WATER SOLUTIONS
SCOTT B SWD (06.16.2024)
EDDY COUNTY, NEW MEXICO
32.196757°, -104.059584°



FIGURE 3





APPENDIX A

CARMONA RESOURCES



Table 1
NGL Water Solutions
Scott B SWD (06.16.2024)
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						
T-1	8/1/2024	0-0.1'	<49.8	3530	753	4,280	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	24,200
	"	1.5'	<49.8	261	50.1	311	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,130
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,350
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	525
	"	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	973
	"	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,290
	"	6.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,180
	"	7.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	2,160
	"	8.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,310
	"	9.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,690
	"	10.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	32.7
T-2	8/1/2024	0-0.1'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,200
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	297
	"	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.2
	"	3.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	33.6
	"	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	29.1
T-3	8/1/2024	0-0.1'	<50.0	63.7	<50.0	63.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,140
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	154
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	46.9
	"	3.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12.0
	"	4.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	29.2
T-4	8/1/2024	0-0.1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,680
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	275
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	390
	"	3.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.5
	"	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	190
T-5	8/1/2024	0-0.1'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	341
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	292
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	224
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	347
	"	4.0'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	372
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) Trench Sample

 Proposed Excavation

Table 1
NGL Water Solutions
Scott B SWD (06.16.2024)
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	8/1/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	47.9
H-2	8/1/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	22.4
H-3	8/1/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	30.3
H-4	8/1/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	42.0
H-5	8/1/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	96.5
H-6	8/1/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.8
H-7	8/1/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	0.105	0.105	25.9
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Point

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 1

Facility: Scott B SWD (6.16.24)

County: Eddy County, New Mexico

Description:

View Southwest, area of concern.



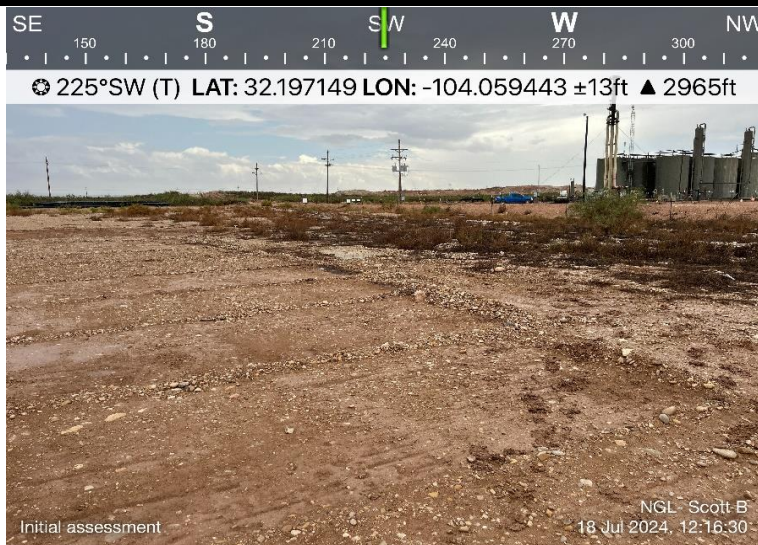
Photograph No. 2

Facility: Scott B SWD (6.16.24)

County: Eddy County, New Mexico

Description:

View Southwest, area of concern.



Photograph No. 3

Facility: Scott B SWD (6.16.24)

County: Eddy County, New Mexico

Description:

View Southwest, area of concern.



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 4

Facility: Scott B SWD (6.16.24)

County: Eddy County, New Mexico

Description:

View Southwest, area of concern.



Photograph No. 5

Facility: Scott B SWD (6.16.24)

County: Eddy County, New Mexico

Description:

View East, area of concern.



Photograph No. 6

Facility: Scott B SWD (6.16.24)

County: Eddy County, New Mexico

Description:

View Southeast, area of concern.



PHOTOGRAPHIC LOG

NGL Energy Partners

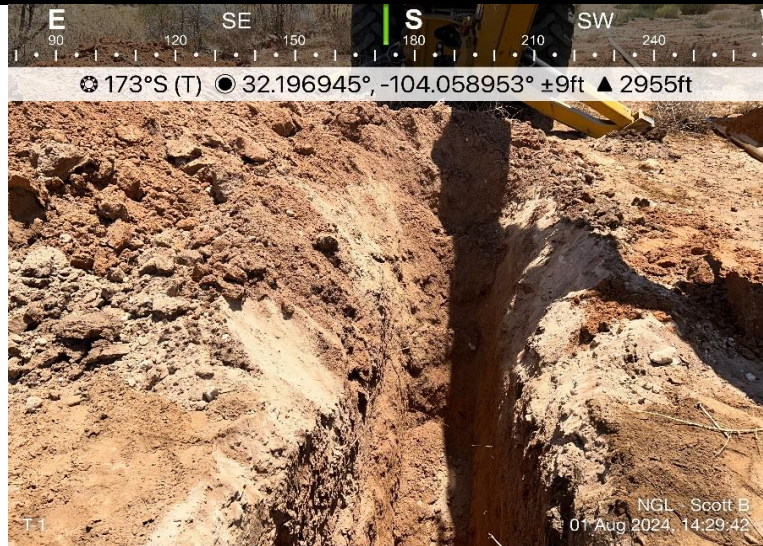
Photograph No. 7

Facility: Scott B SWD (6.16.24)

County: Eddy County, New Mexico

Description:

View South, area of T-1.



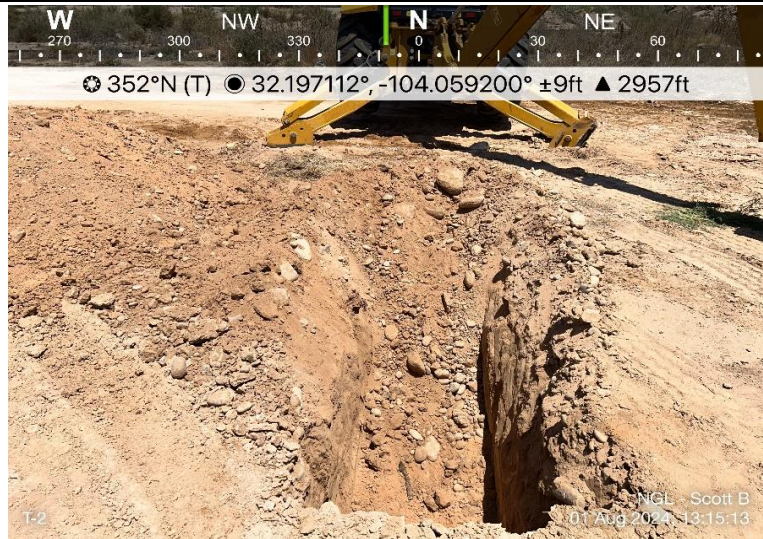
Photograph No. 8

Facility: Scott B SWD (6.16.24)

County: Eddy County, New Mexico

Description:

View North, area of T-2.



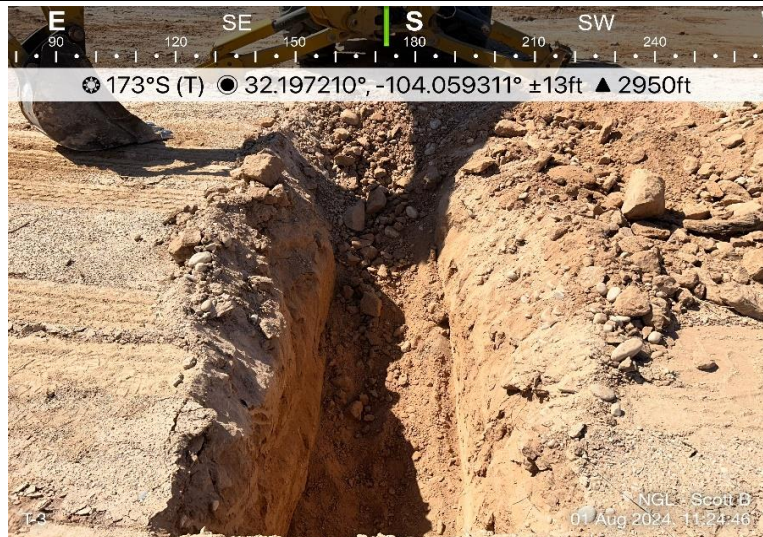
Photograph No. 9

Facility: Scott B SWD (6.16.24)

County: Eddy County, New Mexico

Description:

View South, area of T-3.

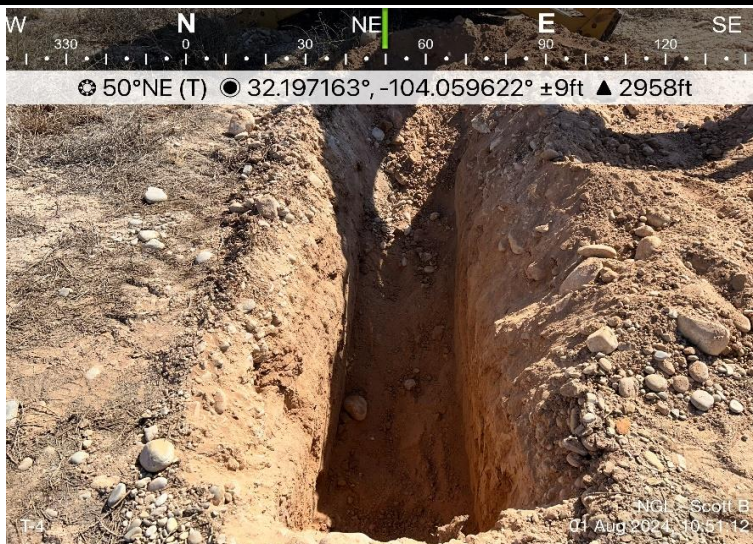


PHOTOGRAPHIC LOG

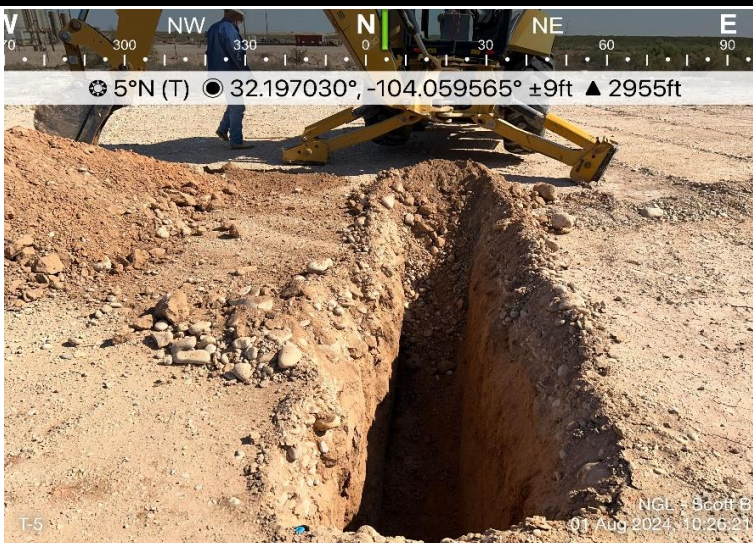
NGL Energy Partners

Photograph No. 10**Facility:** Scott B SWD (6.16.24)**County:** Eddy County, New Mexico**Description:**

View Northeast, area of T-4.

**Photograph No. 11****Facility:** Scott B SWD (6.16.24)**County:** Eddy County, New Mexico**Description:**

View North, 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 354884

QUESTIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 354884
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Scott B SWD
Date Release Discovered	06/16/2024
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Injection Produced Water Released: 85 BBL Recovered: 70 BBL Lost: 15 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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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

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1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 354884

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 354884
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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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

ACKNOWLEDGMENTS

Action 354884

ACKNOWLEDGMENTS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 354884
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☒	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☒	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
☒	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
☒	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 354884

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 354884
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jvargo	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	6/17/2024

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

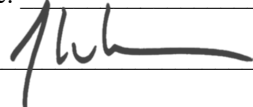
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ 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

Legend

- 0.24 Miles
- 0.27 Miles
- 0.27 Miles
- 0.50 Mile Radius
- 0.82 Miles
- 0.95 Miles
- Groundwater Determination Bore
- NMSEO Water Well
- Scott B SWD (06.16.2024)



Medium Karst

NGL Water Solutions

Legend

- High
- Medium
- Scott B SWD (06.16.2024)

Scott B SWD (06.16.2024)





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 03833 POD1	C	ED		2	1	2	26	24S	28E	589014	3562545	386	96	55	41
C 04180 POD1	CUB	ED		2	1	2	26	24S	28E	589055	3562502	436	160	58	102
C 04151 POD1	CUB	ED		4	2	1	26	24S	28E	588584	3562192	442	280	65	215
C 04294 POD1	CUB	ED		4	3	3	23	24S	28E	588169	3562646	469	60		
C 04181 POD2	C	ED		3	2	1	26	24S	28E	588393	3562212	485	80	56	24
C 04181 POD1	CUB	ED		3	2	1	26	24S	28E	588450	3562146	520	280	56	224
C 03358 POD1	CUB	ED		1	4	1	26	24S	28E	588416	3562116	561	135		
C 03423	CUB	ED		2	4	1	26	24S	28E	588786	3561952	695	126		
C 04222 POD2	CUB	ED		1	2	4	22	24S	28E	587707	3563255	1120	100	40	60
C 04263 POD1	CUB	ED		3	1	1	23	24S	28E	588026	3563915	1421	390	370	20
C 03986 POD1	CUB	ED		3	4	2	22	24S	28E	587505	3563502	1428	170	120	50
C 04026 POD1	CUB	ED		3	2	1	25	24S	28E	590148	3562290	1548	190	90	100
C 02244	C	LE		3	1	2	22	24S	28E	587224	3563865*	1876	260		

Average Depth to Water: **101 feet**

Minimum Depth: **40 feet**

Maximum Depth: **370 feet**

Record Count: 13

UTMNAD83 Radius Search (in meters):

Easting (X): 588638

Northing (Y): 3562632

Radius: 2000

*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.

6/19/24 6:18 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
C	03833 POD1	2	1	2	26	24S	28E	589014	3562545		
x											
Driller License:		1229		Driller Company:			CARTER'S WELL DRILLING				
Driller Name:		CARTER, RICHARD M									
Drill Start Date:		02/19/2015		Drill Finish Date:			03/06/2015		Plug Date:		
Log File Date:		03/23/2015		PCW Rev Date:			Source:			Shallow	
Pump Type:					Pipe Discharge Size:			Estimated Yield:			450 GPM
Casing Size:		6.00		Depth Well:			96 feet		Depth Water:		55 feet
x											
Water Bearing Stratifications:					Top	Bottom	Description				
					55	96	Limestone/Dolomite/Chalk				
x											
Casing Perforations:					Top	Bottom					
					56	96					
x											

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



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y			
NA	C 04180 POD1	2	1	2	26	24S	28E	589055	3562502			
x												
Driller License:		1706		Driller Company:			ELITE DRILLERS CORPORATION					
Driller Name:		WALLACE, BRYCE J.										
Drill Start Date:		01/08/2018		Drill Finish Date:			01/10/2018		Plug Date:			
Log File Date:		01/31/2018		PCW Rev Date:						Source: Shallow		
Pump Type:					Pipe Discharge Size:						Estimated Yield: 100 GPM	
Casing Size:		9.00		Depth Well:			160 feet		Depth Water:		58 feet	
x												
Water Bearing Stratifications:				Top	Bottom	Description						
				20	100	Limestone/Dolomite/Chalk						
				100	160	Limestone/Dolomite/Chalk						
x												
Casing Perforations:				Top	Bottom							
				40	160							
x												

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



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
NA	C 04151 POD1	4	2	1	26	24S	28E	588584	3562192		

Driller License:	1706	Driller Company:	ELITE DRILLERS CORPORATION		
Driller Name:	WALLACE, BRYCE J.				
Drill Start Date:	01/03/2018	Drill Finish Date:	01/06/2018	Plug Date:	
Log File Date:	01/31/2018	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	50 GPM
Casing Size:	9.00	Depth Well:	280 feet	Depth Water:	65 feet

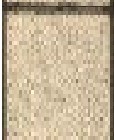
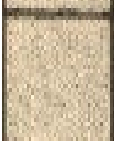
Water Bearing Stratifications:		Top	Bottom	Description
		15	70	Limestone/Dolomite/Chalk
		70	110	Shale/Mudstone/Siltstone
		110	190	Shale/Mudstone/Siltstone
		190	220	Shale/Mudstone/Siltstone
		220	280	Sandstone/Gravel/Conglomerate

Casing Perforations:		Top	Bottom
		60	80
		100	120
		140	160
		180	200

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.



Project Name :	Fiddle Fee 23X 1H	Date :	Wednesday, March 13, 2024
Project No. :	2261	Sampler :	Jim Hawley
Location :	Eddy County, New Mexico	Driller :	H&R Enterprises, LLC
Coordinates :	32.205480°, -104.050455°	Method :	Air Rotary
Elevation (ft) :	2,955		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Light brown, loose sand with 25% small angular, well cemented gravel, with caliche, dry (SP).		50		(50'-51') - Light brown sandy clay with 25% fine loose sand with 25% small poorly cemented gravel, dry (SC).	
5		(5') - Light brown, loose sand with 25% small angular, well cemented gravel, with caliche, dry (SP).		55			
10		(10') - Light brown sandy clay with 50% large gypsum fragments (SP).		60			
15		(15') - Dark brown dry sandy clay (SM).		65			
20		(20') - Dark brown dry sandy clay (SM).		70			
25		(25') - Dark brown dry sandy clay (SM).		75			
30		(30') - Dark brown dry sandy clay (SM).		80			
35		(35') - Dark brown dry sandy clay (SM).		85			
40		(40') - Light brown sandy clay with 25% fine loose sand with 25% small poorly cemented gravel, dry (SC).		90			
45		(45') - Light brown sandy clay with 25% fine loose sand with 25% small poorly cemented gravel, dry (SC).		95			
50				105			

Comments : (3/13/24) Boring terminated at 51.0' with no presence of groundwater or moisture. (3/18/24) Bore measured at 51.0' using Heron Groundwater Meter, no detection of moisture inside bore.



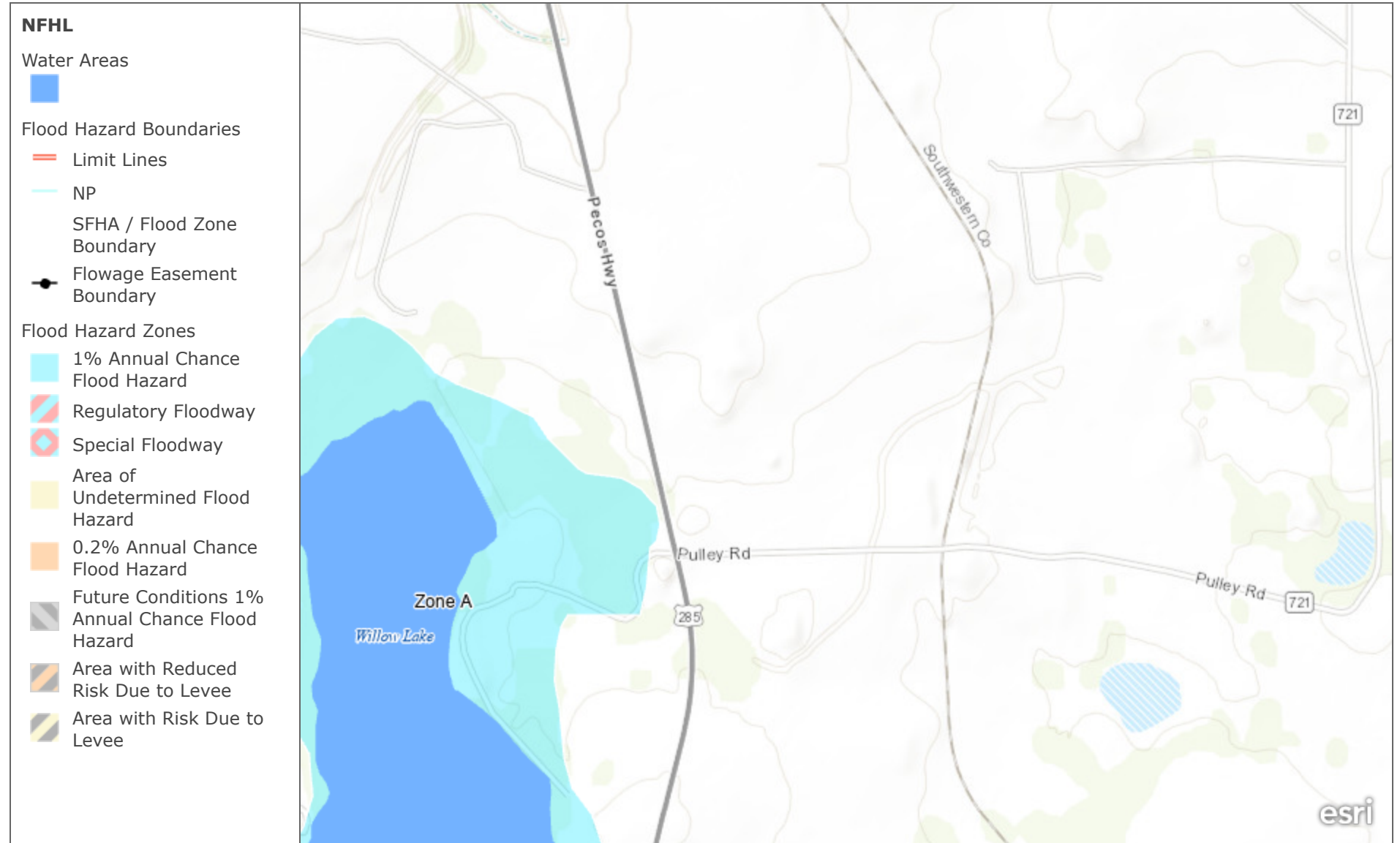
New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	04026 POD1	3	2	1	25	24S	28E	590148	3562290 
Driller License: 331		Driller Company:				SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.			
Driller Name:									
Drill Start Date:	04/25/2017	Drill Finish Date:				04/26/2017		Plug Date:	
Log File Date:	05/16/2017	PCW Rev Date:						Source:	Shallow
Pump Type:		Pipe Discharge Size:						Estimated Yield:	
Casing Size:	8.60	Depth Well:				190 feet		Depth Water:	90 feet
Water Bearing Stratifications:		Top	Bottom	Description					
		120	190	Sandstone/Gravel/Conglomerate					
Casing Perforations:		Top	Bottom						
		88	190						

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.

FEMA National Flood Hazard Layer (NFHL)

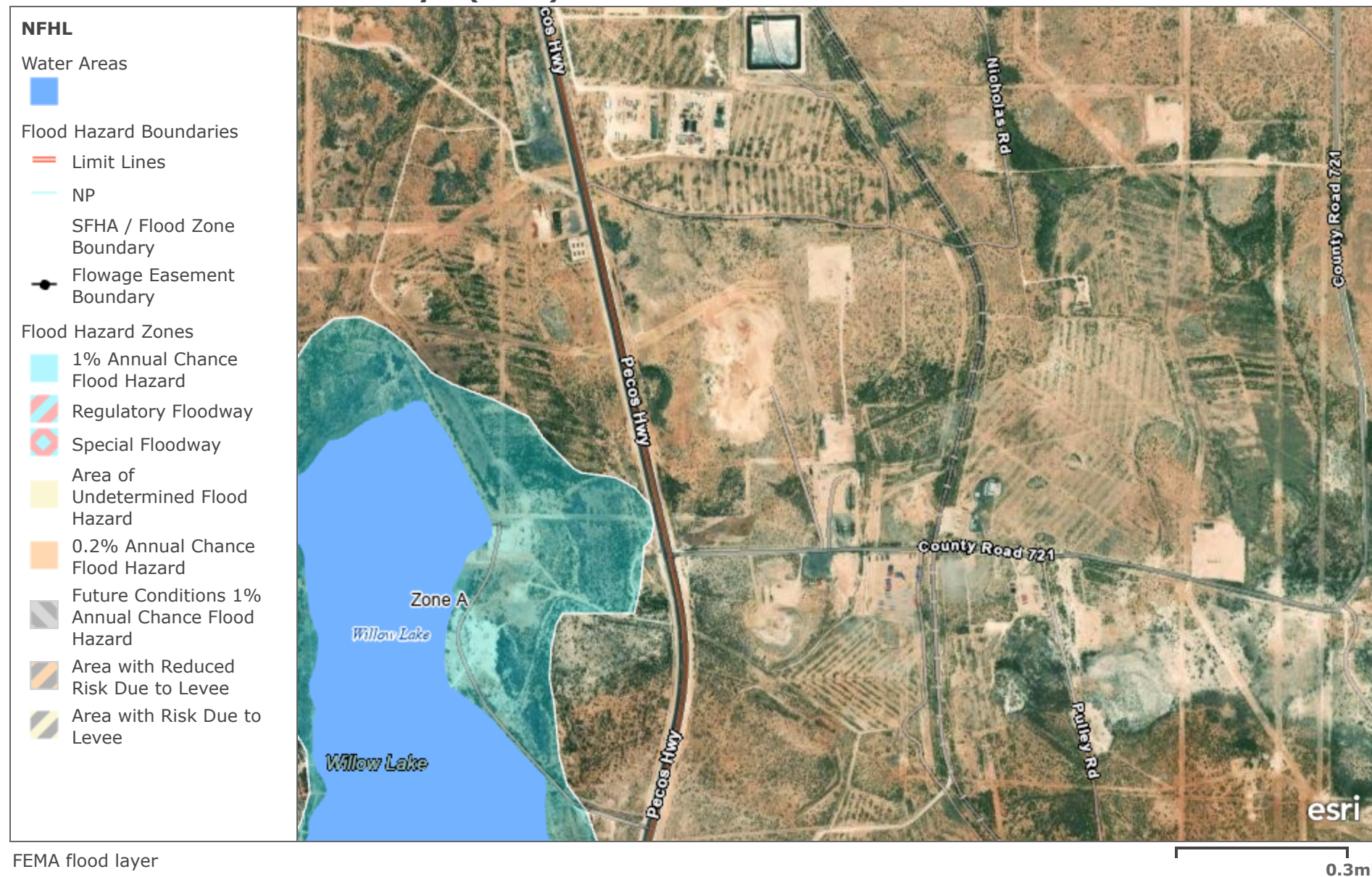


FEMA flood layer

0.3mi

Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

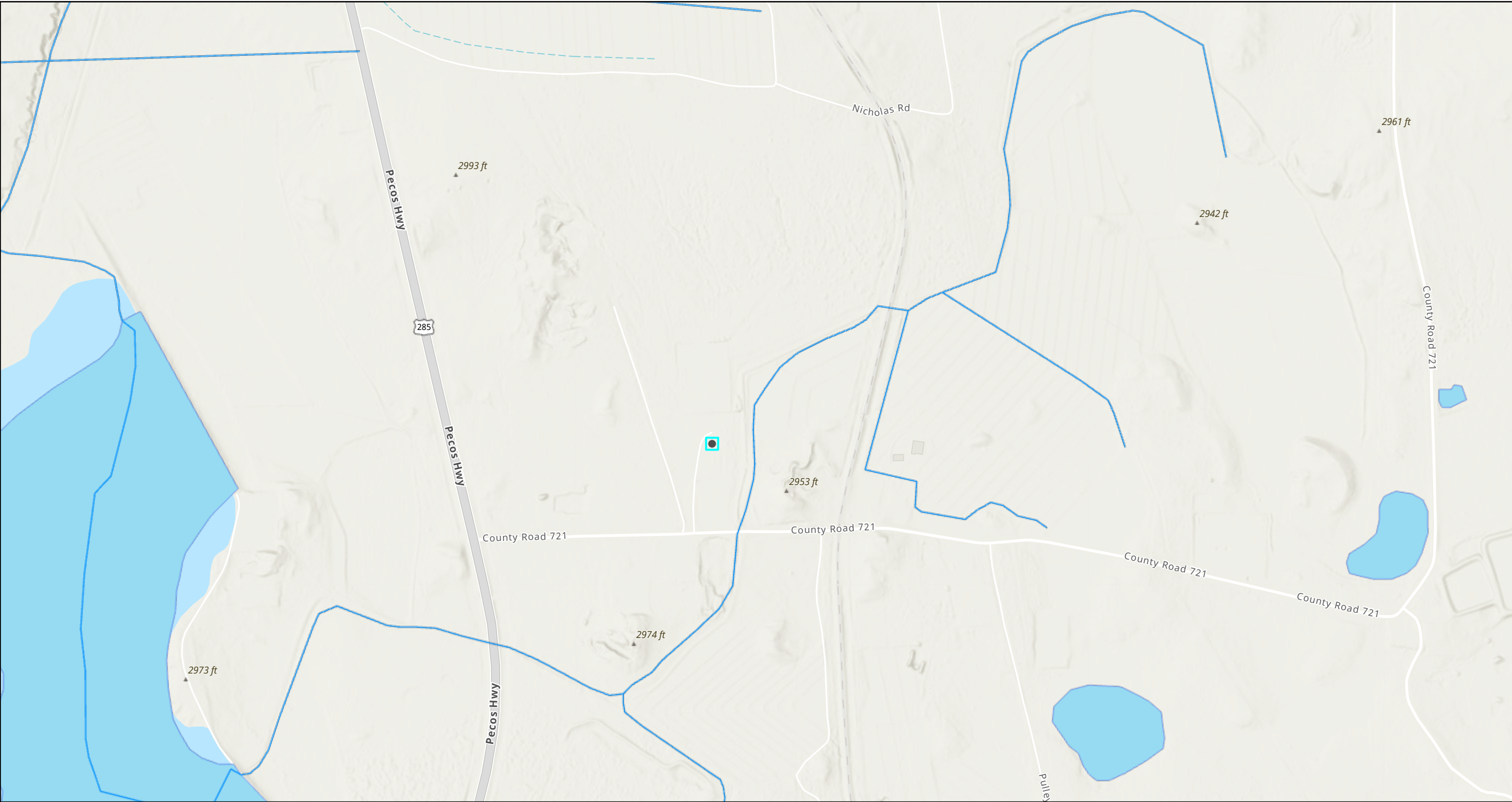
FEMA National Flood Hazard Layer (NFHL)



FEMA flood layer

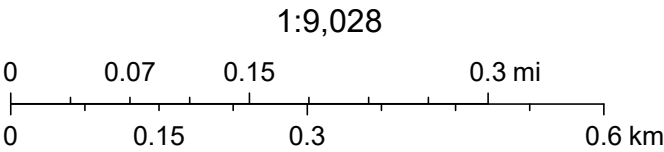
Maxar | Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Scott B SWD (06.16.2024)



6/18/2024, 7:52:04 PM

- OSW Water Bodys
- OSE Streams



Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, NASA, NGA, USGS, FEMA, NM

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 8/8/2024 5:19:28 PM

JOB DESCRIPTION

Scott B SWD (06.16.24)
Eddy County NM

JOB NUMBER

880-46870-1

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
8/8/2024 5:19:28 PM

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

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Laboratory Job ID: 880-46870-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: Scott B SWD (06.16.24)

Job ID: 880-46870-1

Job ID: 880-46870-1

Eurofins Midland

Job Narrative 880-46870-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 8/5/2024 2:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-46870-1), T-1 (1.5') (880-46870-2), T-1 (2') (880-46870-3), T-1 (3') (880-46870-4), T-1 (4') (880-46870-5), T-1 (5') (880-46870-6), T-1 (6') (880-46870-7), T-1 (7') (880-46870-8), T-1 (8') (880-46870-9), T-1 (9') (880-46870-10), T-1 (10') (880-46870-11), T-2 (0-1') (880-46870-12), T-2 (1.5') (880-46870-13), T-2 (2') (880-46870-14), T-2 (3') (880-46870-15), T-2 (4') (880-46870-16), T-3 (0-1') (880-46870-17), T-3 (1.5') (880-46870-18), T-3 (2') (880-46870-19), T-3 (3') (880-46870-20), T-3 (4') (880-46870-21), T-4 (0-1') (880-46870-22), T-4 (1.5') (880-46870-23), T-4 (2') (880-46870-24), T-4 (3') (880-46870-25), T-4 (4') (880-46870-26), T-5 (0-1') (880-46870-27), T-5 (1.5') (880-46870-28), T-5 (2') (880-46870-29), T-5 (3') (880-46870-30) and T-5 (4') (880-46870-31).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-87632 and analytical batch 880-87705 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-87745 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-87592 and analytical batch 880-87745 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: T-4 (4') (880-46870-26), T-5 (0-1') (880-46870-27), T-5 (1.5') (880-46870-28), T-5 (2') (880-46870-29), (LCS 880-87592/2-A) and (LCSD 880-87592/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-4 (3') (880-46870-25) and T-5 (4') (880-46870-31). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-4 (2') (880-46870-24), T-5 (3') (880-46870-30), (880-46870-A-24-B MS) and (880-46870-A-24-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-87585 and analytical batch 880-87702 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-1 (3') (880-46870-4), T-1 (4')

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Scott B SWD (06.16.24)

Job ID: 880-46870-1

Job ID: 880-46870-1 (Continued)

Eurofins Midland

(880-46870-5), T-1 (5') (880-46870-6), T-1 (6') (880-46870-7), T-1 (7') (880-46870-8), T-1 (8') (880-46870-9), T-1 (9') (880-46870-10), T-1 (10') (880-46870-11), T-2 (0-1') (880-46870-12), T-2 (1.5') (880-46870-13), T-2 (2') (880-46870-14), T-2 (3') (880-46870-15), T-2 (4') (880-46870-16), T-3 (0-1') (880-46870-17), T-3 (1.5') (880-46870-18), T-3 (2') (880-46870-19), T-3 (3') (880-46870-20), T-3 (4') (880-46870-21), T-4 (0-1') (880-46870-22), T-4 (1.5') (880-46870-23), (LCS 880-87585/2-A), (880-46870-A-4-B MS) and (880-46870-A-4-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-87585 and analytical batch 880-87702 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-87585 and analytical batch 880-87702 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-87584 and analytical batch 880-87700 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-46870-1), T-1 (1.5') (880-46870-2), T-1 (2') (880-46870-3) and (880-46869-A-17-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-87584 and analytical batch 880-87700 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-87680 and analytical batch 880-87725 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 880-87657 and analytical batch 880-87675 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: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-1 (0-1')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:05	08/07/24 11:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:05	08/07/24 11:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:05	08/07/24 11:41	1
m-Xylene & p-Xylene	<0.00402	U *	0.00402		mg/Kg		08/06/24 12:05	08/07/24 11:41	1
o-Xylene	<0.00201	U *	0.00201		mg/Kg		08/06/24 12:05	08/07/24 11:41	1
Xylenes, Total	<0.00402	U *	0.00402		mg/Kg		08/06/24 12:05	08/07/24 11:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				08/06/24 12:05	08/07/24 11:41	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/06/24 12:05	08/07/24 11:41	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			08/07/24 11:41	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4280		49.8		mg/Kg			08/08/24 04:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/06/24 08:05	08/08/24 04:00	1
Diesel Range Organics (Over C10-C28)	3530		49.8		mg/Kg		08/06/24 08:05	08/08/24 04:00	1
Oil Range Organics (Over C28-C36)	753		49.8		mg/Kg		08/06/24 08:05	08/08/24 04:00	1
Total TPH	4280		49.8		mg/Kg		08/06/24 08:05	08/08/24 04:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				08/06/24 08:05	08/08/24 04:00	1
o-Terphenyl	145	S1+	70 - 130				08/06/24 08:05	08/08/24 04:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24200		249		mg/Kg			08/08/24 13:25	50

Client Sample ID: T-1 (1.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 12:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 12:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 12:02	1
m-Xylene & p-Xylene	<0.00401	U *	0.00401		mg/Kg		08/06/24 12:05	08/07/24 12:02	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		08/06/24 12:05	08/07/24 12:02	1
Xylenes, Total	<0.00401	U *	0.00401		mg/Kg		08/06/24 12:05	08/07/24 12:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/06/24 12:05	08/07/24 12:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-1 (1.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130				08/06/24 12:05	08/07/24 12:02	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/07/24 12:02	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	311		49.8		mg/Kg			08/08/24 03:40	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		08/06/24 08:05	08/08/24 03:40	1
Diesel Range Organics (Over C10-C28)	261		49.8		mg/Kg		08/06/24 08:05	08/08/24 03:40	1
Oil Range Organics (Over C28-C36)	50.1		49.8		mg/Kg		08/06/24 08:05	08/08/24 03:40	1
Total TPH	311		49.8		mg/Kg		08/06/24 08:05	08/08/24 03:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				08/06/24 08:05	08/08/24 03:40	1
o-Terphenyl	160	S1+	70 - 130				08/06/24 08:05	08/08/24 03:40	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3130		24.9		mg/Kg			08/08/24 13:31	5

Client Sample ID: T-1 (2')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-3
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 12:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 12:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 12:23	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		08/06/24 12:05	08/07/24 12:23	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		08/06/24 12:05	08/07/24 12:23	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		08/06/24 12:05	08/07/24 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/06/24 12:05	08/07/24 12:23	1
1,4-Difluorobenzene (Surr)	90		70 - 130				08/06/24 12:05	08/07/24 12:23	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			08/07/24 12:23	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			08/08/24 03:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-1 (2')

Lab Sample ID: 880-46870-3

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 08:05	08/08/24 03:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/06/24 08:05	08/08/24 03:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:05	08/08/24 03:20	1
Total TPH	<50.0	U	50.0		mg/Kg		08/06/24 08:05	08/08/24 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	08/06/24 08:05	08/08/24 03:20	1
o-Terphenyl	156	S1+	70 - 130	08/06/24 08:05	08/08/24 03:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2350		50.2		mg/Kg			08/08/24 13:37	10

Client Sample ID: T-1 (3')

Lab Sample ID: 880-46870-4

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:05	08/07/24 12:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:05	08/07/24 12:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:05	08/07/24 12:43	1
m-Xylene & p-Xylene	<0.00396	U *	0.00396		mg/Kg		08/06/24 12:05	08/07/24 12:43	1
o-Xylene	<0.00198	U *	0.00198		mg/Kg		08/06/24 12:05	08/07/24 12:43	1
Xylenes, Total	<0.00396	U *	0.00396		mg/Kg		08/06/24 12:05	08/07/24 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/06/24 12:05	08/07/24 12:43	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/06/24 12:05	08/07/24 12:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/07/24 12:43	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			08/07/24 20:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9		mg/Kg		08/06/24 08:09	08/07/24 20:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		08/06/24 08:09	08/07/24 20:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/06/24 08:09	08/07/24 20:31	1
Total TPH	<49.9	U	49.9		mg/Kg		08/06/24 08:09	08/07/24 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	161	S1+	70 - 130	08/06/24 08:09	08/07/24 20:31	1
o-Terphenyl	203	S1+	70 - 130	08/06/24 08:09	08/07/24 20:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-1 (3')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	525		50.3		mg/Kg			08/08/24 13:43	10

Client Sample ID: T-1 (4')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-5
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 13:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 13:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 13:04	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		08/06/24 12:05	08/07/24 13:04	1
o-Xylene	<0.00199	U *	0.00199		mg/Kg		08/06/24 12:05	08/07/24 13:04	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		08/06/24 12:05	08/07/24 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/06/24 12:05	08/07/24 13:04	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/06/24 12:05	08/07/24 13:04	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			08/07/24 13:04	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/07/24 21:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/07/24 21:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		08/06/24 08:09	08/07/24 21:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/07/24 21:33	1
Total TPH	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/07/24 21:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	162	S1+	70 - 130				08/06/24 08:09	08/07/24 21:33	1
o-Terphenyl	187	S1+	70 - 130				08/06/24 08:09	08/07/24 21:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	973		50.2		mg/Kg			08/08/24 13:49	10

Client Sample ID: T-1 (5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-6
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 13:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 13:25	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-1 (5')

Lab Sample ID: 880-46870-6

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 13:25	1
m-Xylene & p-Xylene	<0.00399	U *	0.00399		mg/Kg		08/06/24 12:05	08/07/24 13:25	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		08/06/24 12:05	08/07/24 13:25	1
Xylenes, Total	<0.00399	U *	0.00399		mg/Kg		08/06/24 12:05	08/07/24 13:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/06/24 12:05	08/07/24 13:25	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/06/24 12:05	08/07/24 13:25	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			08/07/24 13:25	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			08/07/24 21:54	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		08/06/24 08:09	08/07/24 21:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		08/06/24 08:09	08/07/24 21:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/06/24 08:09	08/07/24 21:54	1
Total TPH	<49.9	U	49.9		mg/Kg		08/06/24 08:09	08/07/24 21:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	169	S1+	70 - 130				08/06/24 08:09	08/07/24 21:54	1
o-Terphenyl	200	S1+	70 - 130				08/06/24 08:09	08/07/24 21:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2290	F1	50.5		mg/Kg			08/08/24 14:13	10

Client Sample ID: T-1 (6')

Lab Sample ID: 880-46870-7

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 12:05	08/07/24 13:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:05	08/07/24 13:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:05	08/07/24 13:45	1
m-Xylene & p-Xylene	<0.00402	U *	0.00402		mg/Kg		08/06/24 12:05	08/07/24 13:45	1
o-Xylene	<0.00201	U *	0.00201		mg/Kg		08/06/24 12:05	08/07/24 13:45	1
Xylenes, Total	<0.00402	U *	0.00402		mg/Kg		08/06/24 12:05	08/07/24 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/06/24 12:05	08/07/24 13:45	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/06/24 12:05	08/07/24 13:45	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-1 (6')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-7
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/07/24 13:45	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			08/07/24 22:14	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/06/24 08:09	08/07/24 22:14	1	
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		08/06/24 08:09	08/07/24 22:14	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/06/24 08:09	08/07/24 22:14	1	
Total TPH	<49.7	U	49.7		mg/Kg		08/06/24 08:09	08/07/24 22:14	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	147	S1+	70 - 130				08/06/24 08:09	08/07/24 22:14	1	
o-Terphenyl	169	S1+	70 - 130				08/06/24 08:09	08/07/24 22:14	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	2180		49.8		mg/Kg			08/08/24 14:32	10	

Client Sample ID: T-1 (7')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-8
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00202	U	0.00202		mg/Kg		08/06/24 12:05	08/07/24 14:06	1	
Toluene	<0.00202	U	0.00202		mg/Kg		08/06/24 12:05	08/07/24 14:06	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/06/24 12:05	08/07/24 14:06	1	
m-Xylene & p-Xylene	<0.00404	U *-	0.00404		mg/Kg		08/06/24 12:05	08/07/24 14:06	1	
o-Xylene	<0.00202	U *-	0.00202		mg/Kg		08/06/24 12:05	08/07/24 14:06	1	
Xylenes, Total	<0.00404	U *-	0.00404		mg/Kg		08/06/24 12:05	08/07/24 14:06	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	108		70 - 130				08/06/24 12:05	08/07/24 14:06	1	
1,4-Difluorobenzene (Surr)	93		70 - 130				08/06/24 12:05	08/07/24 14:06	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			08/07/24 14:06	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			08/07/24 22:35	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/07/24 22:35	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-1 (7')

Lab Sample ID: 880-46870-8

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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 *1	50.0		mg/Kg		08/06/24 08:09	08/07/24 22:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/07/24 22:35	1
Total TPH	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/07/24 22:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	159	S1+	70 - 130				08/06/24 08:09	08/07/24 22:35	1
o-Terphenyl	186	S1+	70 - 130				08/06/24 08:09	08/07/24 22:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2160		49.6		mg/Kg			08/08/24 14:38	10

Client Sample ID: T-1 (8')

Lab Sample ID: 880-46870-9

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 12:05	08/07/24 14:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 14:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 14:27	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		08/06/24 12:05	08/07/24 14:27	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		08/06/24 12:05	08/07/24 14:27	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		08/06/24 12:05	08/07/24 14:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/06/24 12:05	08/07/24 14:27	1
1,4-Difluorobenzene (Surr)	91		70 - 130				08/06/24 12:05	08/07/24 14:27	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			08/07/24 14:27	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			08/07/24 22:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/06/24 08:09	08/07/24 22:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		08/06/24 08:09	08/07/24 22:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/06/24 08:09	08/07/24 22:55	1
Total TPH	<49.9	U	49.9		mg/Kg		08/06/24 08:09	08/07/24 22:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				08/06/24 08:09	08/07/24 22:55	1
o-Terphenyl	179	S1+	70 - 130				08/06/24 08:09	08/07/24 22:55	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-1 (8')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-9
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2310		49.7		mg/Kg			08/08/24 14:56	10

Client Sample ID: T-1 (9')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-10
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 14:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 14:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 14:48	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		08/06/24 12:05	08/07/24 14:48	1
o-Xylene	<0.00199	U *	0.00199		mg/Kg		08/06/24 12:05	08/07/24 14:48	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		08/06/24 12:05	08/07/24 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/06/24 12:05	08/07/24 14:48	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/06/24 12:05	08/07/24 14:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/07/24 14:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/07/24 23:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/07/24 23:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		08/06/24 08:09	08/07/24 23:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/07/24 23:16	1
Total TPH	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/07/24 23:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				08/06/24 08:09	08/07/24 23:16	1
o-Terphenyl	176	S1+	70 - 130				08/06/24 08:09	08/07/24 23:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2690		50.5		mg/Kg			08/08/24 15:02	10

Client Sample ID: T-1 (10')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-11
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 17:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 17:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-1 (10')

Lab Sample ID: 880-46870-11

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 17:00	1
m-Xylene & p-Xylene	<0.00399	U *	0.00399		mg/Kg		08/06/24 12:05	08/07/24 17:00	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		08/06/24 12:05	08/07/24 17:00	1
Xylenes, Total	<0.00399	U *	0.00399		mg/Kg		08/06/24 12:05	08/07/24 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				08/06/24 12:05	08/07/24 17:00	1
1,4-Difluorobenzene (Surr)	91		70 - 130				08/06/24 12:05	08/07/24 17:00	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			08/07/24 17:00	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			08/07/24 23:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/06/24 08:09	08/07/24 23:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		08/06/24 08:09	08/07/24 23:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/06/24 08:09	08/07/24 23:36	1
Total TPH	<49.9	U	49.9		mg/Kg		08/06/24 08:09	08/07/24 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130				08/06/24 08:09	08/07/24 23:36	1
o-Terphenyl	177	S1+	70 - 130				08/06/24 08:09	08/07/24 23:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.7		5.02		mg/Kg			08/08/24 15:08	1

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

Lab Sample ID: 880-46870-12

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 12:05	08/07/24 17:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:05	08/07/24 17:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:05	08/07/24 17:20	1
m-Xylene & p-Xylene	<0.00402	U *	0.00402		mg/Kg		08/06/24 12:05	08/07/24 17:20	1
o-Xylene	<0.00201	U *	0.00201		mg/Kg		08/06/24 12:05	08/07/24 17:20	1
Xylenes, Total	<0.00402	U *	0.00402		mg/Kg		08/06/24 12:05	08/07/24 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/06/24 12:05	08/07/24 17:20	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/06/24 12:05	08/07/24 17:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-2 (0-1')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-12
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/07/24 17:20	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			08/07/24 23:57	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		08/06/24 08:09	08/07/24 23:57	1	
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		08/06/24 08:09	08/07/24 23:57	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/07/24 23:57	1	
Total TPH	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/07/24 23:57	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	144	S1+	70 - 130				08/06/24 08:09	08/07/24 23:57	1	
o-Terphenyl	171	S1+	70 - 130				08/06/24 08:09	08/07/24 23:57	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1200		25.1		mg/Kg			08/08/24 15:14	5	

Client Sample ID: T-2 (1.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-13
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 17:41	1	
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 17:41	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 17:41	1	
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		08/06/24 12:05	08/07/24 17:41	1	
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		08/06/24 12:05	08/07/24 17:41	1	
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		08/06/24 12:05	08/07/24 17:41	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	107		70 - 130				08/06/24 12:05	08/07/24 17:41	1	
1,4-Difluorobenzene (Surr)	92		70 - 130				08/06/24 12:05	08/07/24 17:41	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			08/07/24 17:41	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			08/08/24 00:17	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	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/08/24 00:17	1	

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-46870-13

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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 *1	50.0		mg/Kg		08/06/24 08:09	08/08/24 00:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/08/24 00:17	1
Total TPH	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/08/24 00:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	160	S1+	70 - 130				08/06/24 08:09	08/08/24 00:17	1
o-Terphenyl	187	S1+	70 - 130				08/06/24 08:09	08/08/24 00:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	297		5.03		mg/Kg			08/08/24 15:20	1

Client Sample ID: T-2 (2')

Lab Sample ID: 880-46870-14

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 12:05	08/07/24 18:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 18:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 18:02	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		08/06/24 12:05	08/07/24 18:02	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		08/06/24 12:05	08/07/24 18:02	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		08/06/24 12:05	08/07/24 18:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/06/24 12:05	08/07/24 18:02	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/06/24 12:05	08/07/24 18:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/07/24 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/08/24 00:58	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		08/06/24 08:09	08/08/24 00:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		08/06/24 08:09	08/08/24 00:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/06/24 08:09	08/08/24 00:58	1
Total TPH	<49.7	U	49.7		mg/Kg		08/06/24 08:09	08/08/24 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				08/06/24 08:09	08/08/24 00:58	1
o-Terphenyl	168	S1+	70 - 130				08/06/24 08:09	08/08/24 00:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-2 (2')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-14
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.2		5.00		mg/Kg			08/08/24 15:26	1

Client Sample ID: T-2 (3')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-15
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 18:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 18:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 18:22	1
m-Xylene & p-Xylene	<0.00399	U *	0.00399		mg/Kg		08/06/24 12:05	08/07/24 18:22	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		08/06/24 12:05	08/07/24 18:22	1
Xylenes, Total	<0.00399	U *	0.00399		mg/Kg		08/06/24 12:05	08/07/24 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/06/24 12:05	08/07/24 18:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/06/24 12:05	08/07/24 18:22	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			08/07/24 18:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/08/24 01:18	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	<49.7	U	49.7		mg/Kg		08/06/24 08:09	08/08/24 01:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		08/06/24 08:09	08/08/24 01:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/06/24 08:09	08/08/24 01:18	1
Total TPH	<49.7	U	49.7		mg/Kg		08/06/24 08:09	08/08/24 01:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				08/06/24 08:09	08/08/24 01:18	1
o-Terphenyl	179	S1+	70 - 130				08/06/24 08:09	08/08/24 01:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.6		4.96		mg/Kg			08/08/24 15:32	1

Client Sample ID: T-2 (4')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-16
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:05	08/07/24 18:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:05	08/07/24 18:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-2 (4')

Lab Sample ID: 880-46870-16

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 12:05	08/07/24 18:43	1
m-Xylene & p-Xylene	<0.00402	U *	0.00402		mg/Kg		08/06/24 12:05	08/07/24 18:43	1
o-Xylene	<0.00201	U *	0.00201		mg/Kg		08/06/24 12:05	08/07/24 18:43	1
Xylenes, Total	<0.00402	U *	0.00402		mg/Kg		08/06/24 12:05	08/07/24 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				08/06/24 12:05	08/07/24 18:43	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/06/24 12:05	08/07/24 18:43	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			08/07/24 18:43	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			08/08/24 01:38	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		08/06/24 08:09	08/08/24 01:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		08/06/24 08:09	08/08/24 01:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/08/24 01:38	1
Total TPH	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/08/24 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	166	S1+	70 - 130				08/06/24 08:09	08/08/24 01:38	1
o-Terphenyl	198	S1+	70 - 130				08/06/24 08:09	08/08/24 01:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.1		5.01		mg/Kg			08/08/24 12:42	1

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

Lab Sample ID: 880-46870-17

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 12:05	08/07/24 19:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 19:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:05	08/07/24 19:03	1
m-Xylene & p-Xylene	<0.00401	U *	0.00401		mg/Kg		08/06/24 12:05	08/07/24 19:03	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		08/06/24 12:05	08/07/24 19:03	1
Xylenes, Total	<0.00401	U *	0.00401		mg/Kg		08/06/24 12:05	08/07/24 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/06/24 12:05	08/07/24 19:03	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/06/24 12:05	08/07/24 19:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-3 (0-1')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-17
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/07/24 19:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.7		50.0		mg/Kg			08/08/24 01:59	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		08/06/24 08:09	08/08/24 01:59	1
Diesel Range Organics (Over C10-C28)	63.7	*1	50.0		mg/Kg		08/06/24 08:09	08/08/24 01:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/08/24 01:59	1
Total TPH	63.7		50.0		mg/Kg		08/06/24 08:09	08/08/24 01:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				08/06/24 08:09	08/08/24 01:59	1
o-Terphenyl	171	S1+	70 - 130				08/06/24 08:09	08/08/24 01:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1140		5.02		mg/Kg			08/08/24 13:05	1

Client Sample ID: T-3 (1.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-18
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 19:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 19:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 19:24	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		08/06/24 12:05	08/07/24 19:24	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		08/06/24 12:05	08/07/24 19:24	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		08/06/24 12:05	08/07/24 19:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/06/24 12:05	08/07/24 19:24	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/06/24 12:05	08/07/24 19:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/07/24 19:24	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			08/08/24 02:19	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/08/24 02:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-46870-18

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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 *1	50.0		mg/Kg		08/06/24 08:09	08/08/24 02:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/08/24 02:19	1
Total TPH	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/08/24 02:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				08/06/24 08:09	08/08/24 02:19	1
o-Terphenyl	170	S1+	70 - 130				08/06/24 08:09	08/08/24 02:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		5.05		mg/Kg			08/08/24 13:12	1

Client Sample ID: T-3 (2')

Lab Sample ID: 880-46870-19

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:05	08/07/24 19:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:05	08/07/24 19:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:05	08/07/24 19:45	1
m-Xylene & p-Xylene	<0.00396	U *-	0.00396		mg/Kg		08/06/24 12:05	08/07/24 19:45	1
o-Xylene	<0.00198	U *-	0.00198		mg/Kg		08/06/24 12:05	08/07/24 19:45	1
Xylenes, Total	<0.00396	U *-	0.00396		mg/Kg		08/06/24 12:05	08/07/24 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/06/24 12:05	08/07/24 19:45	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/06/24 12:05	08/07/24 19:45	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			08/07/24 19:45	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			08/08/24 02:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/06/24 08:09	08/08/24 02:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		08/06/24 08:09	08/08/24 02:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/06/24 08:09	08/08/24 02:39	1
Total TPH	<49.9	U	49.9		mg/Kg		08/06/24 08:09	08/08/24 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	166	S1+	70 - 130				08/06/24 08:09	08/08/24 02:39	1
o-Terphenyl	201	S1+	70 - 130				08/06/24 08:09	08/08/24 02:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-3 (2')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-19
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.9		4.96		mg/Kg			08/08/24 13:19	1

Client Sample ID: T-3 (3')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-20
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 20:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 20:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:05	08/07/24 20:05	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		08/06/24 12:05	08/07/24 20:05	1
o-Xylene	<0.00199	U *	0.00199		mg/Kg		08/06/24 12:05	08/07/24 20:05	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		08/06/24 12:05	08/07/24 20:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/06/24 12:05	08/07/24 20:05	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/06/24 12:05	08/07/24 20:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/07/24 20:05	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			08/08/24 02:59	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		08/06/24 08:09	08/08/24 02:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		08/06/24 08:09	08/08/24 02:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/08/24 02:59	1
Total TPH	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/08/24 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				08/06/24 08:09	08/08/24 02:59	1
o-Terphenyl	189	S1+	70 - 130				08/06/24 08:09	08/08/24 02:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.0		4.98		mg/Kg			08/08/24 13:27	1

Client Sample ID: T-3 (4')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-21
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:45	08/07/24 11:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:45	08/07/24 11:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-3 (4')

Lab Sample ID: 880-46870-21

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 12:45	08/07/24 11:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/06/24 12:45	08/07/24 11:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:45	08/07/24 11:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/06/24 12:45	08/07/24 11:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/06/24 12:45	08/07/24 11:33	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/06/24 12:45	08/07/24 11:33	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			08/07/24 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/08/24 03:20	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		08/06/24 08:09	08/08/24 03:20	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		08/06/24 08:09	08/08/24 03:20	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/06/24 08:09	08/08/24 03:20	1
Total TPH	<49.7	U	49.7		mg/Kg		08/06/24 08:09	08/08/24 03:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	160	S1+	70 - 130				08/06/24 08:09	08/08/24 03:20	1
o-Terphenyl	188	S1+	70 - 130				08/06/24 08:09	08/08/24 03:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.2		4.96		mg/Kg			08/08/24 13:49	1

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

Lab Sample ID: 880-46870-22

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 12:45	08/07/24 11:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 11:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 11:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/06/24 12:45	08/07/24 11:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 11:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/06/24 12:45	08/07/24 11:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/06/24 12:45	08/07/24 11:53	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/06/24 12:45	08/07/24 11:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-4 (0-1')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-22
Matrix: Solid

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			08/07/24 11:53	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 03:40	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		08/06/24 08:09	08/08/24 03:40	1	
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		08/06/24 08:09	08/08/24 03:40	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/08/24 03:40	1	
Total TPH	<49.8	U	49.8		mg/Kg		08/06/24 08:09	08/08/24 03:40	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	163	S1+	70 - 130				08/06/24 08:09	08/08/24 03:40	1	
o-Terphenyl	194	S1+	70 - 130				08/06/24 08:09	08/08/24 03:40	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	2680		25.2		mg/Kg			08/08/24 13:57	5	

Client Sample ID: T-4 (1.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-23
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 12:14	1	
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 12:14	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 12:14	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/06/24 12:45	08/07/24 12:14	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 12:14	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/06/24 12:45	08/07/24 12:14	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	108		70 - 130				08/06/24 12:45	08/07/24 12:14	1	
1,4-Difluorobenzene (Surr)	101		70 - 130				08/06/24 12:45	08/07/24 12:14	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			08/07/24 12:14	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			08/08/24 04:00	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/08/24 04:00	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-46870-23

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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 *1	50.0		mg/Kg		08/06/24 08:09	08/08/24 04:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/08/24 04:00	1
Total TPH	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/08/24 04:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	156	S1+	70 - 130				08/06/24 08:09	08/08/24 04:00	1
o-Terphenyl	186	S1+	70 - 130				08/06/24 08:09	08/08/24 04:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	275		4.97		mg/Kg			08/08/24 14:04	1

Client Sample ID: T-4 (2')

Lab Sample ID: 880-46870-24

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:45	08/07/24 12:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:45	08/07/24 12:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:45	08/07/24 12:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/06/24 12:45	08/07/24 12:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/06/24 12:45	08/07/24 12:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/06/24 12:45	08/07/24 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/06/24 12:45	08/07/24 12:35	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/06/24 12:45	08/07/24 12:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/07/24 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/08/24 01:01	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	<50.0	U	50.0		mg/Kg		08/06/24 08:20	08/08/24 01:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		08/06/24 08:20	08/08/24 01:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:20	08/08/24 01:01	1
Total TPH	<50.0	U	50.0		mg/Kg		08/06/24 08:20	08/08/24 01:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				08/06/24 08:20	08/08/24 01:01	1
o-Terphenyl	131	S1+	70 - 130				08/06/24 08:20	08/08/24 01:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-4 (2')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-24
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		5.02		mg/Kg			08/08/24 14:11	1

Client Sample ID: T-4 (3')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-25
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 12:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 12:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 12:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/06/24 12:45	08/07/24 12:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 12:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/06/24 12:45	08/07/24 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/06/24 12:45	08/07/24 12:56	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/06/24 12:45	08/07/24 12:56	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			08/07/24 12:56	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			08/08/24 01:50	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		08/06/24 08:20	08/08/24 01:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		08/06/24 08:20	08/08/24 01:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 08:20	08/08/24 01:50	1
Total TPH	<49.8	U	49.8		mg/Kg		08/06/24 08:20	08/08/24 01:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				08/06/24 08:20	08/08/24 01:50	1
o-Terphenyl	142	S1+	70 - 130				08/06/24 08:20	08/08/24 01:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.5		4.98		mg/Kg			08/08/24 14:19	1

Client Sample ID: T-4 (4')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-26
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 13:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 13:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-4 (4')

Lab Sample ID: 880-46870-26

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 13:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/06/24 12:45	08/07/24 13:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 13:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/06/24 12:45	08/07/24 13:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/06/24 12:45	08/07/24 13:16	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/06/24 12:45	08/07/24 13:16	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			08/07/24 13:16	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			08/08/24 02:06	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		08/06/24 08:20	08/08/24 02:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		08/06/24 08:20	08/08/24 02:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/06/24 08:20	08/08/24 02:06	1
Total TPH	<49.9	U	49.9		mg/Kg		08/06/24 08:20	08/08/24 02:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				08/06/24 08:20	08/08/24 02:06	1
o-Terphenyl	137	S1+	70 - 130				08/06/24 08:20	08/08/24 02:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190	F1	4.97		mg/Kg			08/08/24 14:26	1

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

Lab Sample ID: 880-46870-27

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 12:45	08/07/24 13:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:45	08/07/24 13:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:45	08/07/24 13:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/06/24 12:45	08/07/24 13:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/06/24 12:45	08/07/24 13:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/06/24 12:45	08/07/24 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/06/24 12:45	08/07/24 13:37	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/06/24 12:45	08/07/24 13:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-5 (0-1')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-27
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/07/24 13:37	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 02:22	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		08/06/24 08:20	08/08/24 02:22	1	
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		08/06/24 08:20	08/08/24 02:22	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/06/24 08:20	08/08/24 02:22	1	
Total TPH	<49.8	U	49.8		mg/Kg		08/06/24 08:20	08/08/24 02:22	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	138	S1+	70 - 130				08/06/24 08:20	08/08/24 02:22	1	
o-Terphenyl	141	S1+	70 - 130				08/06/24 08:20	08/08/24 02:22	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	341		4.96		mg/Kg			08/08/24 14:49	1	

Client Sample ID: T-5 (1.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-28
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00202	U	0.00202		mg/Kg		08/06/24 12:45	08/07/24 13:58	1	
Toluene	<0.00202	U	0.00202		mg/Kg		08/06/24 12:45	08/07/24 13:58	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/06/24 12:45	08/07/24 13:58	1	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/06/24 12:45	08/07/24 13:58	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/06/24 12:45	08/07/24 13:58	1	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/06/24 12:45	08/07/24 13:58	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	106		70 - 130				08/06/24 12:45	08/07/24 13:58	1	
1,4-Difluorobenzene (Surr)	100		70 - 130				08/06/24 12:45	08/07/24 13:58	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			08/07/24 13:58	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			08/08/24 02:38	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		08/06/24 08:20	08/08/24 02:38	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-46870-28

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		08/06/24 08:20	08/08/24 02:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/06/24 08:20	08/08/24 02:38	1
Total TPH	<49.9	U	49.9		mg/Kg		08/06/24 08:20	08/08/24 02:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				08/06/24 08:20	08/08/24 02:38	1
o-Terphenyl	132	S1+	70 - 130				08/06/24 08:20	08/08/24 02:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	292		4.96		mg/Kg			08/08/24 14:56	1

Client Sample ID: T-5 (2')

Lab Sample ID: 880-46870-29

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 12:45	08/07/24 14:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 14:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 14:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/06/24 12:45	08/07/24 14:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 14:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/06/24 12:45	08/07/24 14:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/06/24 12:45	08/07/24 14:19	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/06/24 12:45	08/07/24 14:19	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			08/07/24 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/08/24 02:54	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		08/06/24 08:20	08/08/24 02:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		08/06/24 08:20	08/08/24 02:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:20	08/08/24 02:54	1
Total TPH	<50.0	U	50.0		mg/Kg		08/06/24 08:20	08/08/24 02:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				08/06/24 08:20	08/08/24 02:54	1
o-Terphenyl	136	S1+	70 - 130				08/06/24 08:20	08/08/24 02:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-5 (2')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-29
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	224		4.98		mg/Kg			08/08/24 15:18	1

Client Sample ID: T-5 (3')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-30
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 14:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 14:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 14:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/06/24 12:45	08/07/24 14:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/06/24 12:45	08/07/24 14:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/06/24 12:45	08/07/24 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/06/24 12:45	08/07/24 14:39	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/06/24 12:45	08/07/24 14:39	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			08/07/24 14:39	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/08/24 03:10	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		08/06/24 08:20	08/08/24 03:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		08/06/24 08:20	08/08/24 03:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:20	08/08/24 03:10	1
Total TPH	<50.0	U	50.0		mg/Kg		08/06/24 08:20	08/08/24 03:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				08/06/24 08:20	08/08/24 03:10	1
o-Terphenyl	132	S1+	70 - 130				08/06/24 08:20	08/08/24 03:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	347		5.02		mg/Kg			08/08/24 15:26	1

Client Sample ID: T-5 (4')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-31
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 16:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 16:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-5 (4')

Lab Sample ID: 880-46870-31

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 16:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/06/24 12:45	08/07/24 16:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 16:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/06/24 12:45	08/07/24 16:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/06/24 12:45	08/07/24 16:17	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/06/24 12:45	08/07/24 16:17	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			08/07/24 16:17	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			08/08/24 03:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/06/24 08:20	08/08/24 03:26	1
Diesel Range Organics (Over C10-C28)	<49.6	U **	49.6		mg/Kg		08/06/24 08:20	08/08/24 03:26	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/06/24 08:20	08/08/24 03:26	1
Total TPH	<49.6	U	49.6		mg/Kg		08/06/24 08:20	08/08/24 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				08/06/24 08:20	08/08/24 03:26	1
o-Terphenyl	133	S1+	70 - 130				08/06/24 08:20	08/08/24 03:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	372		5.04		mg/Kg			08/08/24 15:33	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-46870-1	T-1 (0-1')	99	98
880-46870-1 MS	T-1 (0-1')	94	102
880-46870-1 MSD	T-1 (0-1')	94	99
880-46870-2	T-1 (1.5')	106	95
880-46870-3	T-1 (2')	107	90
880-46870-4	T-1 (3')	107	92
880-46870-5	T-1 (4')	106	95
880-46870-6	T-1 (5')	107	92
880-46870-7	T-1 (6')	105	92
880-46870-8	T-1 (7')	108	93
880-46870-9	T-1 (8')	109	91
880-46870-10	T-1 (9')	109	94
880-46870-11	T-1 (10')	103	91
880-46870-12	T-2 (0-1')	106	94
880-46870-13	T-2 (1.5')	107	92
880-46870-14	T-2 (2')	107	93
880-46870-15	T-2 (3')	111	93
880-46870-16	T-2 (4')	114	92
880-46870-17	T-3 (0-1')	109	95
880-46870-18	T-3 (1.5')	108	95
880-46870-19	T-3 (2')	110	95
880-46870-20	T-3 (3')	110	96
880-46870-21	T-3 (4')	108	101
880-46870-21 MS	T-3 (4')	104	99
880-46870-21 MSD	T-3 (4')	103	98
880-46870-22	T-4 (0-1')	107	101
880-46870-23	T-4 (1.5')	108	101
880-46870-24	T-4 (2')	106	100
880-46870-25	T-4 (3')	107	100
880-46870-26	T-4 (4')	109	101
880-46870-27	T-5 (0-1')	108	101
880-46870-28	T-5 (1.5')	106	100
880-46870-29	T-5 (2')	108	100
880-46870-30	T-5 (3')	108	100
880-46870-31	T-5 (4')	108	101
LCS 880-87632/1-A	Lab Control Sample	99	99
LCS 880-87641/1-A	Lab Control Sample	102	99
LCSD 880-87632/2-A	Lab Control Sample Dup	90	101
LCSD 880-87641/2-A	Lab Control Sample Dup	101	98
MB 880-87632/5-A	Method Blank	97	82
MB 880-87641/5-A	Method Blank	100	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-46869-A-17-B MS	Matrix Spike	107	108
880-46869-A-17-C MSD	Matrix Spike Duplicate	98	99
880-46870-1	T-1 (0-1')	137 S1+	145 S1+
880-46870-2	T-1 (1.5')	143 S1+	160 S1+
880-46870-3	T-1 (2')	138 S1+	156 S1+
880-46870-4	T-1 (3')	161 S1+	203 S1+
880-46870-4 MS	T-1 (3')	123	133 S1+
880-46870-4 MSD	T-1 (3')	139 S1+	151 S1+
880-46870-5	T-1 (4')	162 S1+	187 S1+
880-46870-6	T-1 (5')	169 S1+	200 S1+
880-46870-7	T-1 (6')	147 S1+	169 S1+
880-46870-8	T-1 (7')	159 S1+	186 S1+
880-46870-9	T-1 (8')	151 S1+	179 S1+
880-46870-10	T-1 (9')	150 S1+	176 S1+
880-46870-11	T-1 (10')	153 S1+	177 S1+
880-46870-12	T-2 (0-1')	144 S1+	171 S1+
880-46870-13	T-2 (1.5')	160 S1+	187 S1+
880-46870-14	T-2 (2')	149 S1+	168 S1+
880-46870-15	T-2 (3')	138 S1+	179 S1+
880-46870-16	T-2 (4')	166 S1+	198 S1+
880-46870-17	T-3 (0-1')	145 S1+	171 S1+
880-46870-18	T-3 (1.5')	141 S1+	170 S1+
880-46870-19	T-3 (2')	166 S1+	201 S1+
880-46870-20	T-3 (3')	155 S1+	189 S1+
880-46870-21	T-3 (4')	160 S1+	188 S1+
880-46870-22	T-4 (0-1')	163 S1+	194 S1+
880-46870-23	T-4 (1.5')	156 S1+	186 S1+
880-46870-24	T-4 (2')	129	131 S1+
880-46870-24 MS	T-4 (2')	120	136 S1+
880-46870-24 MSD	T-4 (2')	120	134 S1+
880-46870-25	T-4 (3')	140 S1+	142 S1+
880-46870-26	T-4 (4')	133 S1+	137 S1+
880-46870-27	T-5 (0-1')	138 S1+	141 S1+
880-46870-28	T-5 (1.5')	130	132 S1+
880-46870-29	T-5 (2')	131 S1+	136 S1+
880-46870-30	T-5 (3')	128	132 S1+
880-46870-31	T-5 (4')	127	133 S1+
LCS 880-87584/2-A	Lab Control Sample	110	118
LCS 880-87585/2-A	Lab Control Sample	134 S1+	147 S1+
LCS 880-87592/2-A	Lab Control Sample	134 S1+	149 S1+
LCSD 880-87584/3-A	Lab Control Sample Dup	100	111
LCSD 880-87585/3-A	Lab Control Sample Dup	106	122
LCSD 880-87592/3-A	Lab Control Sample Dup	135 S1+	150 S1+
MB 880-87584/1-A	Method Blank	173 S1+	201 S1+
MB 880-87585/1-A	Method Blank	175 S1+	224 S1+
MB 880-87592/1-A	Method Blank	118	119

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87632/5-A							Client Sample ID: Method Blank									
Matrix: Solid							Prep Type: Total/NA									
Analysis Batch: 87705							Prep Batch: 87632									
Analyte	MB	MB	RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac					
	Result	Qualifier														
	Benzene	<0.00200 U										0.00200	mg/Kg	08/06/24 12:05	08/07/24 11:20	1
	Toluene	<0.00200 U										0.00200	mg/Kg	08/06/24 12:05	08/07/24 11:20	1
	Ethylbenzene	<0.00200 U										0.00200	mg/Kg	08/06/24 12:05	08/07/24 11:20	1
	m-Xylene & p-Xylene	<0.00400 U										0.00400	mg/Kg	08/06/24 12:05	08/07/24 11:20	1
	o-Xylene	<0.00200 U										0.00200	mg/Kg	08/06/24 12:05	08/07/24 11:20	1
	Xylenes, Total	<0.00400 U										0.00400	mg/Kg	08/06/24 12:05	08/07/24 11:20	1
Surrogate	MB	MB	Limits				Prepared		Analyzed		Dil Fac					
	%Recovery	Qualifier														
	4-Bromofluorobenzene (Surr)	97										70 - 130	08/06/24 12:05	08/07/24 11:20	1	
1,4-Difluorobenzene (Surr)	82	70 - 130	08/06/24 12:05	08/07/24 11:20	1											

Lab Sample ID: LCS 880-87632/1-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 87705					Prep Batch: 87632				
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec		
							Limits		
Benzene	0.100	0.1010		mg/Kg		101	70 - 130		
Toluene	0.100	0.08837		mg/Kg		88	70 - 130		
Ethylbenzene	0.100	0.09512		mg/Kg		95	70 - 130		
m-Xylene & p-Xylene	0.200	0.1898		mg/Kg		95	70 - 130		
o-Xylene	0.100	0.09574		mg/Kg		96	70 - 130		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	99		70 - 130						
1,4-Difluorobenzene (Surr)	99		70 - 130						

Lab Sample ID: LCSD 880-87632/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 87705							Prep Batch: 87632			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.08936		mg/Kg		89	70 - 130	12	35
Toluene		0.100	0.07253		mg/Kg		73	70 - 130	20	35
Ethylbenzene		0.100	0.07084		mg/Kg		71	70 - 130	29	35
m-Xylene & p-Xylene		0.200	0.1382	*-	mg/Kg		69	70 - 130	31	35
o-Xylene		0.100	0.06824	*-	mg/Kg		68	70 - 130	34	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	90		70 - 130							
1,4-Difluorobenzene (Surr)	101		70 - 130							

Lab Sample ID: 880-46870-1 MS							Client Sample ID: T-1 (0-1')			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 87705							Prep Batch: 87632			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	<0.00201	U	0.0998	0.09198		mg/Kg		92	70 - 130	
Toluene	<0.00201	U	0.0998	0.07429		mg/Kg		74	70 - 130	

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QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

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

Lab Sample ID: 880-46870-1 MS

Matrix: Solid

Analysis Batch: 87705

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

Prep Type: Total/NA

Prep Batch: 87632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.0998	0.07340		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	<0.00402	U *	0.200	0.1427		mg/Kg		71	70 - 130
o-Xylene	<0.00201	U *	0.0998	0.07099		mg/Kg		71	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-46870-1 MSD

Matrix: Solid

Analysis Batch: 87705

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

Prep Type: Total/NA

Prep Batch: 87632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1044		mg/Kg		104	70 - 130	13	35
Toluene	<0.00201	U	0.100	0.09203		mg/Kg		92	70 - 130	21	35
Ethylbenzene	<0.00201	U	0.100	0.09886		mg/Kg		99	70 - 130	30	35
m-Xylene & p-Xylene	<0.00402	U *	0.200	0.1968		mg/Kg		98	70 - 130	32	35
o-Xylene	<0.00201	U *	0.100	0.09995		mg/Kg		100	70 - 130	34	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-87641/5-A

Matrix: Solid

Analysis Batch: 87706

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 11:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 11:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 11:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/06/24 12:45	08/07/24 11:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 12:45	08/07/24 11:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/06/24 12:45	08/07/24 11:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	08/06/24 12:45	08/07/24 11:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/06/24 12:45	08/07/24 11:11	1

Lab Sample ID: LCS 880-87641/1-A

Matrix: Solid

Analysis Batch: 87706

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09973		mg/Kg		100	70 - 130
Toluene	0.100	0.1035		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1038		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2131		mg/Kg		107	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-87641/1-A

Matrix: Solid

Analysis Batch: 87706

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1055		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-87641/2-A

Matrix: Solid

Analysis Batch: 87706

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87641

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09555		mg/Kg		96	70 - 130	4	35
Toluene	0.100	0.09936		mg/Kg		99	70 - 130	4	35
Ethylbenzene	0.100	0.09975		mg/Kg		100	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2048		mg/Kg		102	70 - 130	4	35
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-46870-21 MS

Matrix: Solid

Analysis Batch: 87706

Client Sample ID: T-3 (4')

Prep Type: Total/NA

Prep Batch: 87641

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.09363		mg/Kg		94	70 - 130
Toluene	<0.00201	U	0.0998	0.09738		mg/Kg		98	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.09815		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2010		mg/Kg		101	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09994		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-46870-21 MSD

Matrix: Solid

Analysis Batch: 87706

Client Sample ID: T-3 (4')

Prep Type: Total/NA

Prep Batch: 87641

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09652		mg/Kg		96	70 - 130	3	35
Toluene	<0.00201	U	0.100	0.1011		mg/Kg		101	70 - 130	4	35
Ethylbenzene	<0.00201	U	0.100	0.1021		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2092		mg/Kg		104	70 - 130	4	35
o-Xylene	<0.00201	U	0.100	0.1037		mg/Kg		103	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

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

Lab Sample ID: 880-46870-21 MSD
Matrix: Solid
Analysis Batch: 87706

Client Sample ID: T-3 (4')
Prep Type: Total/NA
Prep Batch: 87641

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-87584/1-A
Matrix: Solid
Analysis Batch: 87700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87584

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/06/24 08:05	08/07/24 19:29	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/06/24 08:05	08/07/24 19:29	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:05	08/07/24 19:29	1	
Total TPH	<50.0	U	50.0		mg/Kg		08/06/24 08:05	08/07/24 19:29	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	173	S1+	70 - 130				08/06/24 08:05	08/07/24 19:29	1	
o-Terphenyl	201	S1+	70 - 130				08/06/24 08:05	08/07/24 19:29	1	

Lab Sample ID: LCS 880-87584/2-A
Matrix: Solid
Analysis Batch: 87700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87584

Analyte			Spike	LCS	LCS				%Rec	
			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	915.3		mg/Kg		92	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	951.3		mg/Kg		95	70 - 130	

	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	110		70 - 130							
o-Terphenyl	118		70 - 130							

Lab Sample ID: LCSD 880-87584/3-A
Matrix: Solid
Analysis Batch: 87700

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87584

Analyte			Spike	LCSD	LCSD				%Rec		RPD
			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	882.2		mg/Kg		88	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	885.5		mg/Kg		89	70 - 130	7	20

	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	111		70 - 130								

QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

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

Lab Sample ID: 880-46869-A-17-B MS

Matrix: Solid

Analysis Batch: 87700

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 87584

	Sample	Sample	Spike	MS	MS			%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	1168		mg/Kg		114	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.7	U F1	999	625.4	F1	mg/Kg		63	70 - 130	
Surrogate	MS %Recovery	MS Qualifier	Limits							
1-Chlorooctane	107		70 - 130							
o-Terphenyl	108		70 - 130							

Lab Sample ID: 880-46869-A-17-C MSD

Matrix: Solid

Analysis Batch: 87700

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 87584

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	1048		mg/Kg		102	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.7	U F1	999	575.9	F1	mg/Kg		58	70 - 130	8	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	99		70 - 130								

Lab Sample ID: MB 880-87585/1-A

Matrix: Solid

Analysis Batch: 87702

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87585

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		08/06/24 08:09	08/07/24 19:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/07/24 19:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/07/24 19:29	1
Total TPH	<50.0	U	50.0		mg/Kg		08/06/24 08:09	08/07/24 19:29	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	175	S1+	70 - 130				08/06/24 08:09	08/07/24 19:29	1
o-Terphenyl	224	S1+	70 - 130				08/06/24 08:09	08/07/24 19:29	1

Lab Sample ID: LCS 880-87585/2-A

Matrix: Solid

Analysis Batch: 87702

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87585

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1191		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1230		mg/Kg		123	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-87585/2-A

Matrix: Solid

Analysis Batch: 87702

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87585

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	147	S1+	70 - 130

Lab Sample ID: LCSD 880-87585/3-A

Matrix: Solid

Analysis Batch: 87702

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87585

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1137		mg/Kg		114	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	930.5	*1	mg/Kg		93	70 - 130	28	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: 880-46870-4 MS

Matrix: Solid

Analysis Batch: 87702

Client Sample ID: T-1 (3')

Prep Type: Total/NA

Prep Batch: 87585

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	993	1233		mg/Kg		124	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U *1	993	792.2		mg/Kg		80	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 880-46870-4 MSD

Matrix: Solid

Analysis Batch: 87702

Client Sample ID: T-1 (3')

Prep Type: Total/NA

Prep Batch: 87585

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	993	756.7	F2	mg/Kg		76	70 - 130	48	20
Diesel Range Organics (Over C10-C28)	<49.9	U *1	993	906.2		mg/Kg		91	70 - 130	13	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	139	S1+	70 - 130
o-Terphenyl	151	S1+	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-87592/1-A
Matrix: Solid
Analysis Batch: 87745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87592

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/06/24 08:19	08/08/24 00:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/06/24 08:19	08/08/24 00:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/06/24 08:19	08/08/24 00:13	1
Total TPH	<50.0	U	50.0		mg/Kg		08/06/24 08:19	08/08/24 00:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	08/06/24 08:19	08/08/24 00:13	1
o-Terphenyl	119		70 - 130	08/06/24 08:19	08/08/24 00:13	1

Lab Sample ID: LCS 880-87592/2-A
Matrix: Solid
Analysis Batch: 87745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1233		mg/Kg		123	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1337	*+	mg/Kg		134	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	149	S1+	70 - 130

Lab Sample ID: LCSD 880-87592/3-A
Matrix: Solid
Analysis Batch: 87745

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87592

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1245		mg/Kg		124	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1419	*+	mg/Kg		142	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	135	S1+	70 - 130
o-Terphenyl	150	S1+	70 - 130

Lab Sample ID: 880-46870-24 MS
Matrix: Solid
Analysis Batch: 87745

Client Sample ID: T-4 (2')
Prep Type: Total/NA
Prep Batch: 87592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1069		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U *+	996	1201		mg/Kg		121	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

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

Lab Sample ID: 880-46870-24 MS
Matrix: Solid
Analysis Batch: 87745

Client Sample ID: T-4 (2')
Prep Type: Total/NA
Prep Batch: 87592

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: 880-46870-24 MSD
Matrix: Solid
Analysis Batch: 87745

Client Sample ID: T-4 (2')
Prep Type: Total/NA
Prep Batch: 87592

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1092		mg/Kg		110	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U **	996	1155		mg/Kg		116	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	134	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87657/1-A
Matrix: Solid
Analysis Batch: 87675

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			08/08/24 12:20	1

Lab Sample ID: LCS 880-87657/2-A
Matrix: Solid
Analysis Batch: 87675

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.4		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-87657/3-A
Matrix: Solid
Analysis Batch: 87675

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	264.0		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 880-46870-16 MS
Matrix: Solid
Analysis Batch: 87675

Client Sample ID: T-2 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	29.1		251	297.8		mg/Kg		107	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-46870-16 MSD Matrix: Solid Analysis Batch: 87675												Client Sample ID: T-2 (4') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	29.1		251	298.3		mg/Kg		107	90 - 110	0	20		
Lab Sample ID: 880-46870-26 MS Matrix: Solid Analysis Batch: 87675												Client Sample ID: T-4 (4') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	190	F1	249	358.5	F1	mg/Kg		68	90 - 110				
Lab Sample ID: 880-46870-26 MSD Matrix: Solid Analysis Batch: 87675												Client Sample ID: T-4 (4') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	190	F1	249	356.0	F1	mg/Kg		67	90 - 110	1	20		
Lab Sample ID: MB 880-87680/1-A Matrix: Solid Analysis Batch: 87725												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			08/08/24 12:12	1				
Lab Sample ID: LCS 880-87680/2-A Matrix: Solid Analysis Batch: 87725												Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride			250	253.8		mg/Kg		102	90 - 110				
Lab Sample ID: LCSD 880-87680/3-A Matrix: Solid Analysis Batch: 87725												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	253.8		mg/Kg		102	90 - 110	0	20		
Lab Sample ID: 880-46870-6 MS Matrix: Solid Analysis Batch: 87725												Client Sample ID: T-1 (5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	2290	F1	2530	6090	F1	mg/Kg		150	90 - 110				
Lab Sample ID: 880-46870-6 MSD Matrix: Solid Analysis Batch: 87725												Client Sample ID: T-1 (5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	2290	F1	2530	6087	F1	mg/Kg		150	90 - 110	0	20		

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

GC VOA

Prep Batch: 87632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-1	T-1 (0-1')	Total/NA	Solid	5035	
880-46870-2	T-1 (1.5')	Total/NA	Solid	5035	
880-46870-3	T-1 (2')	Total/NA	Solid	5035	
880-46870-4	T-1 (3')	Total/NA	Solid	5035	
880-46870-5	T-1 (4')	Total/NA	Solid	5035	
880-46870-6	T-1 (5')	Total/NA	Solid	5035	
880-46870-7	T-1 (6')	Total/NA	Solid	5035	
880-46870-8	T-1 (7')	Total/NA	Solid	5035	
880-46870-9	T-1 (8')	Total/NA	Solid	5035	
880-46870-10	T-1 (9')	Total/NA	Solid	5035	
880-46870-11	T-1 (10')	Total/NA	Solid	5035	
880-46870-12	T-2 (0-1')	Total/NA	Solid	5035	
880-46870-13	T-2 (1.5')	Total/NA	Solid	5035	
880-46870-14	T-2 (2')	Total/NA	Solid	5035	
880-46870-15	T-2 (3')	Total/NA	Solid	5035	
880-46870-16	T-2 (4')	Total/NA	Solid	5035	
880-46870-17	T-3 (0-1')	Total/NA	Solid	5035	
880-46870-18	T-3 (1.5')	Total/NA	Solid	5035	
880-46870-19	T-3 (2')	Total/NA	Solid	5035	
880-46870-20	T-3 (3')	Total/NA	Solid	5035	
MB 880-87632/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87632/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87632/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46870-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-46870-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 87641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-21	T-3 (4')	Total/NA	Solid	5035	
880-46870-22	T-4 (0-1')	Total/NA	Solid	5035	
880-46870-23	T-4 (1.5')	Total/NA	Solid	5035	
880-46870-24	T-4 (2')	Total/NA	Solid	5035	
880-46870-25	T-4 (3')	Total/NA	Solid	5035	
880-46870-26	T-4 (4')	Total/NA	Solid	5035	
880-46870-27	T-5 (0-1')	Total/NA	Solid	5035	
880-46870-28	T-5 (1.5')	Total/NA	Solid	5035	
880-46870-29	T-5 (2')	Total/NA	Solid	5035	
880-46870-30	T-5 (3')	Total/NA	Solid	5035	
880-46870-31	T-5 (4')	Total/NA	Solid	5035	
MB 880-87641/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87641/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87641/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46870-21 MS	T-3 (4')	Total/NA	Solid	5035	
880-46870-21 MSD	T-3 (4')	Total/NA	Solid	5035	

Analysis Batch: 87705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-1	T-1 (0-1')	Total/NA	Solid	8021B	87632
880-46870-2	T-1 (1.5')	Total/NA	Solid	8021B	87632
880-46870-3	T-1 (2')	Total/NA	Solid	8021B	87632
880-46870-4	T-1 (3')	Total/NA	Solid	8021B	87632

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QC Association Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

GC VOA (Continued)

Analysis Batch: 87705 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-5	T-1 (4')	Total/NA	Solid	8021B	87632
880-46870-6	T-1 (5')	Total/NA	Solid	8021B	87632
880-46870-7	T-1 (6')	Total/NA	Solid	8021B	87632
880-46870-8	T-1 (7')	Total/NA	Solid	8021B	87632
880-46870-9	T-1 (8')	Total/NA	Solid	8021B	87632
880-46870-10	T-1 (9')	Total/NA	Solid	8021B	87632
880-46870-11	T-1 (10')	Total/NA	Solid	8021B	87632
880-46870-12	T-2 (0-1')	Total/NA	Solid	8021B	87632
880-46870-13	T-2 (1.5')	Total/NA	Solid	8021B	87632
880-46870-14	T-2 (2')	Total/NA	Solid	8021B	87632
880-46870-15	T-2 (3')	Total/NA	Solid	8021B	87632
880-46870-16	T-2 (4')	Total/NA	Solid	8021B	87632
880-46870-17	T-3 (0-1')	Total/NA	Solid	8021B	87632
880-46870-18	T-3 (1.5')	Total/NA	Solid	8021B	87632
880-46870-19	T-3 (2')	Total/NA	Solid	8021B	87632
880-46870-20	T-3 (3')	Total/NA	Solid	8021B	87632
MB 880-87632/5-A	Method Blank	Total/NA	Solid	8021B	87632
LCS 880-87632/1-A	Lab Control Sample	Total/NA	Solid	8021B	87632
LCSD 880-87632/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87632
880-46870-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	87632
880-46870-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	87632

Analysis Batch: 87706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-21	T-3 (4')	Total/NA	Solid	8021B	87641
880-46870-22	T-4 (0-1')	Total/NA	Solid	8021B	87641
880-46870-23	T-4 (1.5')	Total/NA	Solid	8021B	87641
880-46870-24	T-4 (2')	Total/NA	Solid	8021B	87641
880-46870-25	T-4 (3')	Total/NA	Solid	8021B	87641
880-46870-26	T-4 (4')	Total/NA	Solid	8021B	87641
880-46870-27	T-5 (0-1')	Total/NA	Solid	8021B	87641
880-46870-28	T-5 (1.5')	Total/NA	Solid	8021B	87641
880-46870-29	T-5 (2')	Total/NA	Solid	8021B	87641
880-46870-30	T-5 (3')	Total/NA	Solid	8021B	87641
880-46870-31	T-5 (4')	Total/NA	Solid	8021B	87641
MB 880-87641/5-A	Method Blank	Total/NA	Solid	8021B	87641
LCS 880-87641/1-A	Lab Control Sample	Total/NA	Solid	8021B	87641
LCSD 880-87641/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87641
880-46870-21 MS	T-3 (4')	Total/NA	Solid	8021B	87641
880-46870-21 MSD	T-3 (4')	Total/NA	Solid	8021B	87641

Analysis Batch: 87902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-46870-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-46870-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-46870-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-46870-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-46870-6	T-1 (5')	Total/NA	Solid	Total BTEX	
880-46870-7	T-1 (6')	Total/NA	Solid	Total BTEX	
880-46870-8	T-1 (7')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

GC VOA (Continued)

Analysis Batch: 87902 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-9	T-1 (8')	Total/NA	Solid	Total BTEX	
880-46870-10	T-1 (9')	Total/NA	Solid	Total BTEX	
880-46870-11	T-1 (10')	Total/NA	Solid	Total BTEX	
880-46870-12	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-46870-13	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-46870-14	T-2 (2')	Total/NA	Solid	Total BTEX	
880-46870-15	T-2 (3')	Total/NA	Solid	Total BTEX	
880-46870-16	T-2 (4')	Total/NA	Solid	Total BTEX	
880-46870-17	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-46870-18	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-46870-19	T-3 (2')	Total/NA	Solid	Total BTEX	
880-46870-20	T-3 (3')	Total/NA	Solid	Total BTEX	
880-46870-21	T-3 (4')	Total/NA	Solid	Total BTEX	
880-46870-22	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-46870-23	T-4 (1.5')	Total/NA	Solid	Total BTEX	
880-46870-24	T-4 (2')	Total/NA	Solid	Total BTEX	
880-46870-25	T-4 (3')	Total/NA	Solid	Total BTEX	
880-46870-26	T-4 (4')	Total/NA	Solid	Total BTEX	
880-46870-27	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-46870-28	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-46870-29	T-5 (2')	Total/NA	Solid	Total BTEX	
880-46870-30	T-5 (3')	Total/NA	Solid	Total BTEX	
880-46870-31	T-5 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 87584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-46870-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-46870-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
MB 880-87584/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87584/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87584/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46869-A-17-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-46869-A-17-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 87585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-46870-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-46870-6	T-1 (5')	Total/NA	Solid	8015NM Prep	
880-46870-7	T-1 (6')	Total/NA	Solid	8015NM Prep	
880-46870-8	T-1 (7')	Total/NA	Solid	8015NM Prep	
880-46870-9	T-1 (8')	Total/NA	Solid	8015NM Prep	
880-46870-10	T-1 (9')	Total/NA	Solid	8015NM Prep	
880-46870-11	T-1 (10')	Total/NA	Solid	8015NM Prep	
880-46870-12	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-46870-13	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-46870-14	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-46870-15	T-2 (3')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Prep Batch: 87585 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-16	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-46870-17	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-46870-18	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-46870-19	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-46870-20	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-46870-21	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-46870-22	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-46870-23	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-87585/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87585/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87585/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46870-4 MS	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-46870-4 MSD	T-1 (3')	Total/NA	Solid	8015NM Prep	

Prep Batch: 87592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-24	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-46870-25	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-46870-26	T-4 (4')	Total/NA	Solid	8015NM Prep	
880-46870-27	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-46870-28	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-46870-29	T-5 (2')	Total/NA	Solid	8015NM Prep	
880-46870-30	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-46870-31	T-5 (4')	Total/NA	Solid	8015NM Prep	
MB 880-87592/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87592/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87592/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46870-24 MS	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-46870-24 MSD	T-4 (2')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 87700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-1	T-1 (0-1')	Total/NA	Solid	8015B NM	87584
880-46870-2	T-1 (1.5')	Total/NA	Solid	8015B NM	87584
880-46870-3	T-1 (2')	Total/NA	Solid	8015B NM	87584
MB 880-87584/1-A	Method Blank	Total/NA	Solid	8015B NM	87584
LCS 880-87584/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87584
LCSD 880-87584/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87584
880-46869-A-17-B MS	Matrix Spike	Total/NA	Solid	8015B NM	87584
880-46869-A-17-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	87584

Analysis Batch: 87702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-4	T-1 (3')	Total/NA	Solid	8015B NM	87585
880-46870-5	T-1 (4')	Total/NA	Solid	8015B NM	87585
880-46870-6	T-1 (5')	Total/NA	Solid	8015B NM	87585
880-46870-7	T-1 (6')	Total/NA	Solid	8015B NM	87585
880-46870-8	T-1 (7')	Total/NA	Solid	8015B NM	87585
880-46870-9	T-1 (8')	Total/NA	Solid	8015B NM	87585
880-46870-10	T-1 (9')	Total/NA	Solid	8015B NM	87585
880-46870-11	T-1 (10')	Total/NA	Solid	8015B NM	87585

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 87702 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-12	T-2 (0-1')	Total/NA	Solid	8015B NM	87585
880-46870-13	T-2 (1.5')	Total/NA	Solid	8015B NM	87585
880-46870-14	T-2 (2')	Total/NA	Solid	8015B NM	87585
880-46870-15	T-2 (3')	Total/NA	Solid	8015B NM	87585
880-46870-16	T-2 (4')	Total/NA	Solid	8015B NM	87585
880-46870-17	T-3 (0-1')	Total/NA	Solid	8015B NM	87585
880-46870-18	T-3 (1.5')	Total/NA	Solid	8015B NM	87585
880-46870-19	T-3 (2')	Total/NA	Solid	8015B NM	87585
880-46870-20	T-3 (3')	Total/NA	Solid	8015B NM	87585
880-46870-21	T-3 (4')	Total/NA	Solid	8015B NM	87585
880-46870-22	T-4 (0-1')	Total/NA	Solid	8015B NM	87585
880-46870-23	T-4 (1.5')	Total/NA	Solid	8015B NM	87585
MB 880-87585/1-A	Method Blank	Total/NA	Solid	8015B NM	87585
LCS 880-87585/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87585
LCSD 880-87585/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87585
880-46870-4 MS	T-1 (3')	Total/NA	Solid	8015B NM	87585
880-46870-4 MSD	T-1 (3')	Total/NA	Solid	8015B NM	87585

Analysis Batch: 87745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-24	T-4 (2')	Total/NA	Solid	8015B NM	87592
880-46870-25	T-4 (3')	Total/NA	Solid	8015B NM	87592
880-46870-26	T-4 (4')	Total/NA	Solid	8015B NM	87592
880-46870-27	T-5 (0-1')	Total/NA	Solid	8015B NM	87592
880-46870-28	T-5 (1.5')	Total/NA	Solid	8015B NM	87592
880-46870-29	T-5 (2')	Total/NA	Solid	8015B NM	87592
880-46870-30	T-5 (3')	Total/NA	Solid	8015B NM	87592
880-46870-31	T-5 (4')	Total/NA	Solid	8015B NM	87592
MB 880-87592/1-A	Method Blank	Total/NA	Solid	8015B NM	87592
LCS 880-87592/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87592
LCSD 880-87592/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87592
880-46870-24 MS	T-4 (2')	Total/NA	Solid	8015B NM	87592
880-46870-24 MSD	T-4 (2')	Total/NA	Solid	8015B NM	87592

Analysis Batch: 87879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-46870-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-46870-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-46870-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-46870-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-46870-6	T-1 (5')	Total/NA	Solid	8015 NM	
880-46870-7	T-1 (6')	Total/NA	Solid	8015 NM	
880-46870-8	T-1 (7')	Total/NA	Solid	8015 NM	
880-46870-9	T-1 (8')	Total/NA	Solid	8015 NM	
880-46870-10	T-1 (9')	Total/NA	Solid	8015 NM	
880-46870-11	T-1 (10')	Total/NA	Solid	8015 NM	
880-46870-12	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-46870-13	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-46870-14	T-2 (2')	Total/NA	Solid	8015 NM	
880-46870-15	T-2 (3')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 87879 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-16	T-2 (4')	Total/NA	Solid	8015 NM	
880-46870-17	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-46870-18	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-46870-19	T-3 (2')	Total/NA	Solid	8015 NM	
880-46870-20	T-3 (3')	Total/NA	Solid	8015 NM	
880-46870-21	T-3 (4')	Total/NA	Solid	8015 NM	
880-46870-22	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-46870-23	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-46870-24	T-4 (2')	Total/NA	Solid	8015 NM	
880-46870-25	T-4 (3')	Total/NA	Solid	8015 NM	
880-46870-26	T-4 (4')	Total/NA	Solid	8015 NM	
880-46870-27	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-46870-28	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-46870-29	T-5 (2')	Total/NA	Solid	8015 NM	
880-46870-30	T-5 (3')	Total/NA	Solid	8015 NM	
880-46870-31	T-5 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 87657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-16	T-2 (4')	Soluble	Solid	DI Leach	
880-46870-17	T-3 (0-1')	Soluble	Solid	DI Leach	
880-46870-18	T-3 (1.5')	Soluble	Solid	DI Leach	
880-46870-19	T-3 (2')	Soluble	Solid	DI Leach	
880-46870-20	T-3 (3')	Soluble	Solid	DI Leach	
880-46870-21	T-3 (4')	Soluble	Solid	DI Leach	
880-46870-22	T-4 (0-1')	Soluble	Solid	DI Leach	
880-46870-23	T-4 (1.5')	Soluble	Solid	DI Leach	
880-46870-24	T-4 (2')	Soluble	Solid	DI Leach	
880-46870-25	T-4 (3')	Soluble	Solid	DI Leach	
880-46870-26	T-4 (4')	Soluble	Solid	DI Leach	
880-46870-27	T-5 (0-1')	Soluble	Solid	DI Leach	
880-46870-28	T-5 (1.5')	Soluble	Solid	DI Leach	
880-46870-29	T-5 (2')	Soluble	Solid	DI Leach	
880-46870-30	T-5 (3')	Soluble	Solid	DI Leach	
880-46870-31	T-5 (4')	Soluble	Solid	DI Leach	
MB 880-87657/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87657/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87657/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46870-16 MS	T-2 (4')	Soluble	Solid	DI Leach	
880-46870-16 MSD	T-2 (4')	Soluble	Solid	DI Leach	
880-46870-26 MS	T-4 (4')	Soluble	Solid	DI Leach	
880-46870-26 MSD	T-4 (4')	Soluble	Solid	DI Leach	

Analysis Batch: 87675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-16	T-2 (4')	Soluble	Solid	300.0	87657
880-46870-17	T-3 (0-1')	Soluble	Solid	300.0	87657
880-46870-18	T-3 (1.5')	Soluble	Solid	300.0	87657
880-46870-19	T-3 (2')	Soluble	Solid	300.0	87657

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 87675 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-20	T-3 (3')	Soluble	Solid	300.0	87657
880-46870-21	T-3 (4')	Soluble	Solid	300.0	87657
880-46870-22	T-4 (0-1')	Soluble	Solid	300.0	87657
880-46870-23	T-4 (1.5')	Soluble	Solid	300.0	87657
880-46870-24	T-4 (2')	Soluble	Solid	300.0	87657
880-46870-25	T-4 (3')	Soluble	Solid	300.0	87657
880-46870-26	T-4 (4')	Soluble	Solid	300.0	87657
880-46870-27	T-5 (0-1')	Soluble	Solid	300.0	87657
880-46870-28	T-5 (1.5')	Soluble	Solid	300.0	87657
880-46870-29	T-5 (2')	Soluble	Solid	300.0	87657
880-46870-30	T-5 (3')	Soluble	Solid	300.0	87657
880-46870-31	T-5 (4')	Soluble	Solid	300.0	87657
MB 880-87657/1-A	Method Blank	Soluble	Solid	300.0	87657
LCS 880-87657/2-A	Lab Control Sample	Soluble	Solid	300.0	87657
LCSD 880-87657/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87657
880-46870-16 MS	T-2 (4')	Soluble	Solid	300.0	87657
880-46870-16 MSD	T-2 (4')	Soluble	Solid	300.0	87657
880-46870-26 MS	T-4 (4')	Soluble	Solid	300.0	87657
880-46870-26 MSD	T-4 (4')	Soluble	Solid	300.0	87657

Leach Batch: 87680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-46870-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-46870-3	T-1 (2')	Soluble	Solid	DI Leach	
880-46870-4	T-1 (3')	Soluble	Solid	DI Leach	
880-46870-5	T-1 (4')	Soluble	Solid	DI Leach	
880-46870-6	T-1 (5')	Soluble	Solid	DI Leach	
880-46870-7	T-1 (6')	Soluble	Solid	DI Leach	
880-46870-8	T-1 (7')	Soluble	Solid	DI Leach	
880-46870-9	T-1 (8')	Soluble	Solid	DI Leach	
880-46870-10	T-1 (9')	Soluble	Solid	DI Leach	
880-46870-11	T-1 (10')	Soluble	Solid	DI Leach	
880-46870-12	T-2 (0-1')	Soluble	Solid	DI Leach	
880-46870-13	T-2 (1.5')	Soluble	Solid	DI Leach	
880-46870-14	T-2 (2')	Soluble	Solid	DI Leach	
880-46870-15	T-2 (3')	Soluble	Solid	DI Leach	
MB 880-87680/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87680/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87680/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46870-6 MS	T-1 (5')	Soluble	Solid	DI Leach	
880-46870-6 MSD	T-1 (5')	Soluble	Solid	DI Leach	

Analysis Batch: 87725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-1	T-1 (0-1')	Soluble	Solid	300.0	87680
880-46870-2	T-1 (1.5')	Soluble	Solid	300.0	87680
880-46870-3	T-1 (2')	Soluble	Solid	300.0	87680
880-46870-4	T-1 (3')	Soluble	Solid	300.0	87680
880-46870-5	T-1 (4')	Soluble	Solid	300.0	87680
880-46870-6	T-1 (5')	Soluble	Solid	300.0	87680

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 87725 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46870-7	T-1 (6')	Soluble	Solid	300.0	87680
880-46870-8	T-1 (7')	Soluble	Solid	300.0	87680
880-46870-9	T-1 (8')	Soluble	Solid	300.0	87680
880-46870-10	T-1 (9')	Soluble	Solid	300.0	87680
880-46870-11	T-1 (10')	Soluble	Solid	300.0	87680
880-46870-12	T-2 (0-1')	Soluble	Solid	300.0	87680
880-46870-13	T-2 (1.5')	Soluble	Solid	300.0	87680
880-46870-14	T-2 (2')	Soluble	Solid	300.0	87680
880-46870-15	T-2 (3')	Soluble	Solid	300.0	87680
MB 880-87680/1-A	Method Blank	Soluble	Solid	300.0	87680
LCS 880-87680/2-A	Lab Control Sample	Soluble	Solid	300.0	87680
LCSD 880-87680/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87680
880-46870-6 MS	T-1 (5')	Soluble	Solid	300.0	87680
880-46870-6 MSD	T-1 (5')	Soluble	Solid	300.0	87680

Lab Chronicle

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-1 (0-1')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 11:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 11:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 04:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87584	08/06/24 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87700	08/08/24 04:00	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	87725	08/08/24 13:25	CH	EET MID

Client Sample ID: T-1 (1.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 12:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 12:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 03:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87584	08/06/24 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87700	08/08/24 03:40	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87725	08/08/24 13:31	CH	EET MID

Client Sample ID: T-1 (2')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 12:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 03:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87584	08/06/24 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87700	08/08/24 03:20	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87725	08/08/24 13:37	CH	EET MID

Client Sample ID: T-1 (3')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 12:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-1 (3')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			87879	08/07/24 20:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/07/24 20:31	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87725	08/08/24 13:43	CH	EET MID

Client Sample ID: T-1 (4')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 13:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/07/24 21:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/07/24 21:33	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87725	08/08/24 13:49	CH	EET MID

Client Sample ID: T-1 (5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 13:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/07/24 21:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/07/24 21:54	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87725	08/08/24 14:13	CH	EET MID

Client Sample ID: T-1 (6')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 13:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/07/24 22:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/07/24 22:14	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-1 (6')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87725	08/08/24 14:32	CH	EET MID

Client Sample ID: T-1 (7')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/07/24 22:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/07/24 22:35	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87725	08/08/24 14:38	CH	EET MID

Client Sample ID: T-1 (8')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 14:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/07/24 22:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/07/24 22:55	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87725	08/08/24 14:56	CH	EET MID

Client Sample ID: T-1 (9')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 14:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/07/24 23:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/07/24 23:16	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87725	08/08/24 15:02	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-1 (10')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 17:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 17:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/07/24 23:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/07/24 23:36	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87725	08/08/24 15:08	CH	EET MID

Client Sample ID: T-2 (0-1')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/07/24 23:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/07/24 23:57	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87725	08/08/24 15:14	CH	EET MID

Client Sample ID: T-2 (1.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 17:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 17:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 00:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/08/24 00:17	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87725	08/08/24 15:20	CH	EET MID

Client Sample ID: T-2 (2')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 18:02	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-2 (2')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			87879	08/08/24 00:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/08/24 00:58	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87725	08/08/24 15:26	CH	EET MID

Client Sample ID: T-2 (3')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 18:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 01:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/08/24 01:18	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87680	08/06/24 15:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87725	08/08/24 15:32	CH	EET MID

Client Sample ID: T-2 (4')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 18:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 01:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/08/24 01:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 12:42	CH	EET MID

Client Sample ID: T-3 (0-1')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 19:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 01:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/08/24 01:59	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-3 (0-1')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 13:05	CH	EET MID

Client Sample ID: T-3 (1.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 19:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 19:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 02:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/08/24 02:19	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 13:12	CH	EET MID

Client Sample ID: T-3 (2')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 19:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 19:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 02:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/08/24 02:39	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 13:19	CH	EET MID

Client Sample ID: T-3 (3')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87632	08/06/24 12:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87705	08/07/24 20:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 20:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 02:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/08/24 02:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 13:27	CH	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-3 (4')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87641	08/06/24 12:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 11:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 11:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 03:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/08/24 03:20	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 13:49	CH	EET MID

Client Sample ID: T-4 (0-1')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	87641	08/06/24 12:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 11:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 11:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 03:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/08/24 03:40	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87675	08/08/24 13:57	CH	EET MID

Client Sample ID: T-4 (1.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87641	08/06/24 12:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 12:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 12:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 04:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87585	08/06/24 08:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87702	08/08/24 04:00	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 14:04	CH	EET MID

Client Sample ID: T-4 (2')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	87641	08/06/24 12:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 12:35	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-4 (2')

Lab Sample ID: 880-46870-24

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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			87879	08/08/24 01:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 01:01	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 14:11	CH	EET MID

Client Sample ID: T-4 (3')

Lab Sample ID: 880-46870-25

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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	87641	08/06/24 12:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 12:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 01:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 01:50	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 14:19	CH	EET MID

Client Sample ID: T-4 (4')

Lab Sample ID: 880-46870-26

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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	87641	08/06/24 12:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 13:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 02:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 02:06	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 14:26	CH	EET MID

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

Lab Sample ID: 880-46870-27

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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	87641	08/06/24 12:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 13:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 13:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 02:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 02:22	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-5 (0-1')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 14:49	CH	EET MID

Client Sample ID: T-5 (1.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	87641	08/06/24 12:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 13:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 13:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 02:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 02:38	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 14:56	CH	EET MID

Client Sample ID: T-5 (2')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87641	08/06/24 12:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 14:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 02:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 02:54	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 15:18	CH	EET MID

Client Sample ID: T-5 (3')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87641	08/06/24 12:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 14:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 14:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 03:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 03:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 15:26	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Client Sample ID: T-5 (4')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46870-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87641	08/06/24 12:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87706	08/07/24 16:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87902	08/07/24 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			87879	08/08/24 03:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	87592	08/06/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87745	08/08/24 03:26	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	87657	08/06/24 14:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87675	08/08/24 15:33	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: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	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

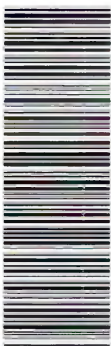
Sample Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46870-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-46870-1	T-1 (0-1')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-2	T-1 (1.5')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-3	T-1 (2')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-4	T-1 (3')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-5	T-1 (4')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-6	T-1 (5')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-7	T-1 (6')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-8	T-1 (7')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-9	T-1 (8')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-10	T-1 (9')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-11	T-1 (10')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-12	T-2 (0-1')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-13	T-2 (1.5')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-14	T-2 (2')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-15	T-2 (3')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-16	T-2 (4')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-17	T-3 (0-1')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-18	T-3 (1.5')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-19	T-3 (2')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-20	T-3 (3')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-21	T-3 (4')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-22	T-4 (0-1')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-23	T-4 (1.5')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-24	T-4 (2')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-25	T-4 (3')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-26	T-4 (4')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-27	T-5 (0-1')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-28	T-5 (1.5')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-29	T-5 (2')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-30	T-5 (3')	Solid	08/01/24 00:00	08/05/24 14:10
880-46870-31	T-5 (4')	Solid	08/01/24 00:00	08/05/24 14:10

Chain of Custody



880-46870 Chain of Custody

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Work Order Comments

Program: ☐ US/PT ☐ PRP ☐ Brownfields ☐ IRC ☐ perfund ☐

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

Reporting Level: ☐ EDD ☐ ADAPT ☐ Other:

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)
 Company Name: NGL Water Solutions Permian
 Address: 865 N. Albino Street, Suite 400
 City, State ZIP: Denver, CO 80220
 Email: Joseph.Vargo@nglsp.com

ANALYSIS REQUEST										Preservative Codes	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
T-1 (0-1')	8/1/2024		X		G	1			X	X	
T-1 (1.5')	8/1/2024		X		G	1			X	X	
T-1 (2')	8/1/2024		X		G	1			X	X	
T-1 (3')	8/1/2024		X		G	1			X	X	
T-1 (4')	8/1/2024		X		G	1			X	X	
T-1 (5')	8/1/2024		X		G	1			X	X	
T-1 (6')	8/1/2024		X		G	1			X	X	
T-1 (7')	8/1/2024		X		G	1			X	X	
T-1 (8')	8/1/2024		X		G	1			X	X	
T-1 (9')	8/1/2024		X		G	1			X	X	

Preservative Codes

None: NO
 DI Water: H₂O
 Cool: Cool
 MeOH: Me
 HCL: HC
 HNO₃: HN
 H₂SO₄: H₂
 NaOH: Na
 H₃PO₄: HP
 NaHSO₄: NABIS
 Na₂S₂O₃: NaSO₃
 Zn Acetate+NaOH: Zn
 NaOH+Ascorbic Acid: SAPC

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Connor Moehring</i>	8-5-24	<i>[Signature]</i>	8-5-24

Chain of Custody

Work Order No.:

Page 2 of 4

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

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

Project Name:		Scott B SWD (06.16.24)		Turn Around		ANALYSIS REQUEST										Preservative Codes													
Project Number:		2421		☒ Routine ☐ Rush												None: NO DI Water: H ₂ O													
Project Location		Eddy County, New Mexico		Due Date:												Cool: Cool MeOH: Me													
Sampler's Name:		JR														HCL: HC HNO ₃ : HN													
PO #:																H ₂ SO ₄ : H ₂ NaOH: Na													
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No												H ₃ PO ₄ : HP									
Received Intact:		Yes No		Thermometer ID:																NaHSO ₄ : NABIS									
Cooler Custody Seals:		Yes No N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃									
Sample Custody Seals:		Yes No N/A		Temperature Reading:																Zn Acetate+NaOH: Zn									
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SAPC									
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont												Sample Comments					
T-1 (10')		8/1/2024				X				G		1		X		X													
T-2 (0-1')		8/1/2024				X				G		1		X		X													
T-2 (1.5')		8/1/2024				X				G		1		X		X													
T-2 (2')		8/1/2024				X				G		1		X		X													
T-2 (3')		8/1/2024				X				G		1		X		X													
T-2 (4')		8/1/2024				X				G		1		X		X													
T-3 (0-1')		8/1/2024				X				G		1		X		X													
T-3 (1.5')		8/1/2024				X				G		1		X		X													
T-3 (2')		8/1/2024				X				G		1		X		X													
T-3 (3')		8/1/2024				X				G		1		X		X													

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Carla Mackinnon	8-5-24		8/5/24 4:0

Chain of Custody

Work Order No: _____

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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@noblep.com

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

Project Name:		Scott B SWD (06.16.24)		Turn Around		Preservative Codes							
Project Number:		2421		☒ Routine ☐ Rush		None: NO DI Water: H ₂ O							
Project Location:		Eddy County, New Mexico		Due Date:		Cool: Cool MeOH: Me							
Sampler's Name:		JR		Standard		HCL: HC HNO ₃ : HN							
PO #:						H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes No		H ₃ PO ₄ : HP							
Received Intact:		Yes No		Thermometer ID:		NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes No N/A		Correction Factor:		Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes No N/A		Temperature Reading:		Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:		NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		# of Cont		Grab/ Comp	
T-3 (4')		8/1/2024				X		X		1		G	
T-4 (0-1')		8/1/2024				X		X		1		G	
T-4 (1.5')		8/1/2024				X		X		1		G	
T-4 (2')		8/1/2024				X		X		1		G	
T-4 (3')		8/1/2024				X		X		1		G	
T-4 (4')		8/1/2024				X		X		1		G	
T-5 (0-1')		8/1/2024				X		X		1		G	
T-5 (1.5')		8/1/2024				X		X		1		G	
T-5 (2')		8/1/2024				X		X		1		G	
T-5 (3')		8/1/2024				X		X		1		G	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Casey Moehring</i>	8-3-24		8/5/24 1410

Chain of Custody

Work Order No:

Page 4 of 4

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

Project Name:		Scott B SWD (06.16.24)		Turn Around		Pres. Code		ANALYSIS REC			
Project Number:		2421		☒ Routine ☐ Rush							
Project Location		Eddy County, New Mexico		Due Date:							
Sampler's Name:		JR		Standard		Parameters		BTX 80218 8015M (GRO + DRO + MRO) Chloride 300.0			
PO #:											
SAMPLE RECEIPT		Temp Blank:		Yes	No	Wet loc:		Yes		No	
Received Inact:		Yes No		Thermometer ID:							
Cooler Custody Seals:		Yes No		N/A		Correction Factor:					
Sample Custody Seals:		Yes No		N/A		Temperature Reading:					
Total Containers:						Corrected Temperature:					

[illegible]

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

Relinquished by: (Signature)	Date/Time	Rec'd
Cashie Mackney	8-5-24	

Work Order Comments

Program: ☐UST/☐PST ☐PRP ☐rowfields ☐RC ☐perfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other: ☐

[illegible][illegible]

Reviewed by: (Signature)  Date/Time 15/04/16
--

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-46870-1

SDG Number: Eddy County NM

Login Number: 46870

List Number: 1

List Source: Eurofins Midland

Creator: Kramer, Jessica

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/9/2024 11:19:17 AM

JOB DESCRIPTION

Scott B SWD (06.16.24)
Eddy County NM

JOB NUMBER

880-46865-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

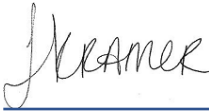
Eurofins Midland

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
8/9/2024 11:19:17 AM

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

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Laboratory Job ID: 880-46865-1
SDG: Eddy County NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Scott B SWD (06.16.24)

Job ID: 880-46865-1

Job ID: 880-46865-1

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Job Narrative
880-46865-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 8/5/2024 2:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-46865-1), H-2 (0-0.5') (880-46865-2), H-3 (0-0.5') (880-46865-3), H-4 (0-0.5') (880-46865-4), H-5 (0-0.5') (880-46865-5), H-6 (0-0.5') (880-46865-6) and H-7 (0-0.5') (880-46865-7).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-87630 and analytical batch 880-87710 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-47024-A-1-A MS) and (880-47024-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-87890 and analytical batch 880-87821 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-87563 and analytical batch 880-87595 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-87595/21). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-87595 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV have a qualifying CCV 10 samples before and 10 samples afterward, and they are thereby reported without issue.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-87743 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-87743/21).

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

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

Lab Sample ID: 880-46865-1

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 11:55	08/08/24 06:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 11:55	08/08/24 06:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 11:55	08/08/24 06:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/06/24 11:55	08/08/24 06:53	1
o-Xylene	<0.00199	U *	0.00199		mg/Kg		08/06/24 11:55	08/08/24 06:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/06/24 11:55	08/08/24 06:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/06/24 11:55	08/08/24 06:53	1
1,4-Difluorobenzene (Surr)	118		70 - 130	08/06/24 11:55	08/08/24 06:53	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			08/08/24 06:53	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			08/06/24 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/05/24 15:20	08/06/24 18:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/05/24 15:20	08/06/24 18:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/24 15:20	08/06/24 18:09	1
Total TPH	<50.0	U	50.0		mg/Kg		08/05/24 15:20	08/06/24 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	08/05/24 15:20	08/06/24 18:09	1
o-Terphenyl	94		70 - 130	08/05/24 15:20	08/06/24 18:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.9		5.04		mg/Kg			08/08/24 08:30	1

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

Lab Sample ID: 880-46865-2

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 11:55	08/08/24 07:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:55	08/08/24 07:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:55	08/08/24 07:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/06/24 11:55	08/08/24 07:14	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		08/06/24 11:55	08/08/24 07:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/06/24 11:55	08/08/24 07:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/06/24 11:55	08/08/24 07:14	1
1,4-Difluorobenzene (Surr)	121		70 - 130	08/06/24 11:55	08/08/24 07:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

Client Sample ID: H-2 (0-0.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46865-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/08/24 07:14	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			08/07/24 16:38	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		08/05/24 15:24	08/07/24 16:38	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/05/24 15:24	08/07/24 16:38	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/24 15:24	08/07/24 16:38	1	
Total TPH	<50.0	U	50.0		mg/Kg		08/05/24 15:24	08/07/24 16:38	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	106		70 - 130				08/05/24 15:24	08/07/24 16:38	1	
o-Terphenyl	95		70 - 130				08/05/24 15:24	08/07/24 16:38	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	22.4		5.04		mg/Kg			08/08/24 08:46	1	

Client Sample ID: H-3 (0-0.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46865-3
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00201	U	0.00201		mg/Kg		08/06/24 11:55	08/08/24 07:34	1	
Toluene	<0.00201	U	0.00201		mg/Kg		08/06/24 11:55	08/08/24 07:34	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/06/24 11:55	08/08/24 07:34	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/06/24 11:55	08/08/24 07:34	1	
o-Xylene	<0.00201	U *	0.00201		mg/Kg		08/06/24 11:55	08/08/24 07:34	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/06/24 11:55	08/08/24 07:34	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	117		70 - 130				08/06/24 11:55	08/08/24 07:34	1	
1,4-Difluorobenzene (Surr)	113		70 - 130				08/06/24 11:55	08/08/24 07:34	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			08/08/24 07:34	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			08/07/24 17:33	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/05/24 15:24	08/07/24 17:33	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

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

Lab Sample ID: 880-46865-3

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/05/24 15:24	08/07/24 17:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/24 15:24	08/07/24 17:33	1
Total TPH	<50.0	U	50.0		mg/Kg		08/05/24 15:24	08/07/24 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	08/05/24 15:24	08/07/24 17:33	1
o-Terphenyl	92		70 - 130	08/05/24 15:24	08/07/24 17:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.3		5.05		mg/Kg			08/08/24 08:51	1

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

Lab Sample ID: 880-46865-4

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/06/24 11:55	08/08/24 07:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:55	08/08/24 07:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:55	08/08/24 07:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/06/24 11:55	08/08/24 07:55	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		08/06/24 11:55	08/08/24 07:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/06/24 11:55	08/08/24 07:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/06/24 11:55	08/08/24 07:55	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/06/24 11:55	08/08/24 07:55	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			08/08/24 07:55	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			08/07/24 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/05/24 15:24	08/07/24 17:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/05/24 15:24	08/07/24 17:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/05/24 15:24	08/07/24 17:52	1
Total TPH	<49.9	U	49.9		mg/Kg		08/05/24 15:24	08/07/24 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	08/05/24 15:24	08/07/24 17:52	1
o-Terphenyl	106		70 - 130	08/05/24 15:24	08/07/24 17:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

Client Sample ID: H-4 (0-0.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46865-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.0		4.98		mg/Kg			08/08/24 08:57	1

Client Sample ID: H-5 (0-0.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46865-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/06/24 11:55	08/08/24 08:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/06/24 11:55	08/08/24 08:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/06/24 11:55	08/08/24 08:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/06/24 11:55	08/08/24 08:15	1
o-Xylene	<0.00199	U *	0.00199		mg/Kg		08/06/24 11:55	08/08/24 08:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/06/24 11:55	08/08/24 08:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				08/06/24 11:55	08/08/24 08:15	1
1,4-Difluorobenzene (Surr)	123		70 - 130				08/06/24 11:55	08/08/24 08:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/08/24 08:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/07/24 18:10	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		08/05/24 15:24	08/07/24 18:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/05/24 15:24	08/07/24 18:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/05/24 15:24	08/07/24 18:10	1
Total TPH	<49.8	U	49.8		mg/Kg		08/05/24 15:24	08/07/24 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/05/24 15:24	08/07/24 18:10	1
o-Terphenyl	94		70 - 130				08/05/24 15:24	08/07/24 18:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.5		4.96		mg/Kg			08/08/24 09:02	1

Client Sample ID: H-6 (0-0.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46865-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/08/24 11:11	08/09/24 09:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/08/24 11:11	08/09/24 09:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-46865-6

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/08/24 11:11	08/09/24 09:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/08/24 11:11	08/09/24 09:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/08/24 11:11	08/09/24 09:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/08/24 11:11	08/09/24 09:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/08/24 11:11	08/09/24 09:12	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/08/24 11:11	08/09/24 09:12	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/09/24 09:12	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			08/07/24 18:28	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		08/05/24 15:24	08/07/24 18:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/05/24 15:24	08/07/24 18:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/05/24 15:24	08/07/24 18:28	1
Total TPH	<49.8	U	49.8		mg/Kg		08/05/24 15:24	08/07/24 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/05/24 15:24	08/07/24 18:28	1
o-Terphenyl	79		70 - 130				08/05/24 15:24	08/07/24 18:28	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.8		4.97		mg/Kg			08/08/24 09:17	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-46865-7

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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		08/08/24 11:56	08/09/24 01:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/08/24 11:56	08/09/24 01:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/08/24 11:56	08/09/24 01:03	1
m-Xylene & p-Xylene	0.0693		0.00398		mg/Kg		08/08/24 11:56	08/09/24 01:03	1
o-Xylene	0.0360		0.00199		mg/Kg		08/08/24 11:56	08/09/24 01:03	1
Xylenes, Total	0.105		0.00398		mg/Kg		08/08/24 11:56	08/09/24 01:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				08/08/24 11:56	08/09/24 01:03	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/08/24 11:56	08/09/24 01:03	1

Client Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

Client Sample ID: H-7 (0-0.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46865-7
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	0.105		0.00398		mg/Kg			08/09/24 01:03	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9	U	49.9		mg/Kg			08/07/24 18:46	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		08/05/24 15:24	08/07/24 18:46	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/05/24 15:24	08/07/24 18:46	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/05/24 15:24	08/07/24 18:46	1	
Total TPH	<49.9	U	49.9		mg/Kg		08/05/24 15:24	08/07/24 18:46	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	103		70 - 130				08/05/24 15:24	08/07/24 18:46	1	
o-Terphenyl	84		70 - 130				08/05/24 15:24	08/07/24 18:46	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	25.9		4.99		mg/Kg			08/08/24 09:23	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	BFB1	DFBZ1						
		(70-130)	(70-130)						
880-46865-1	H-1 (0-0.5')	113	118						
880-46865-2	H-2 (0-0.5')	113	121						
880-46865-3	H-3 (0-0.5')	117	113						
880-46865-4	H-4 (0-0.5')	109	109						
880-46865-5	H-5 (0-0.5')	115	123						
880-46865-6	H-6 (0-0.5')	111	100						
880-46865-7	H-7 (0-0.5')	103	93						
880-46869-A-21-B MS	Matrix Spike	96	105						
880-46869-A-21-C MSD	Matrix Spike Duplicate	105	99						
880-46963-A-1-B MS	Matrix Spike	114	98						
880-46963-A-1-C MSD	Matrix Spike Duplicate	112	99						
880-47024-A-1-A MS	Matrix Spike	148 S1+	100						
880-47024-A-1-B MSD	Matrix Spike Duplicate	140 S1+	102						
LCS 880-87630/1-A	Lab Control Sample	101	102						
LCS 880-87734/1-A	Lab Control Sample	125	97						
LCS 880-87890/1-A	Lab Control Sample	98	94						
LCSD 880-87630/2-A	Lab Control Sample Dup	101	106						
LCSD 880-87734/2-A	Lab Control Sample Dup	115	97						
LCSD 880-87890/2-A	Lab Control Sample Dup	105	95						
MB 880-87482/5-A	Method Blank	125	92						
MB 880-87485/5-A	Method Blank	103	95						
MB 880-87630/5-A	Method Blank	119	102						
MB 880-87734/5-A	Method Blank	107	95						
MB 880-87821/8	Method Blank	101	91						
MB 880-87890/5-A	Method Blank	110	89						
Surrogate Legend									
BFB = 4-Bromofluorobenzene (Surr)									
DFBZ = 1,4-Difluorobenzene (Surr)									

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-46860-A-1-C MS	Matrix Spike	96	88				
880-46860-A-1-D MSD	Matrix Spike Duplicate	98	91				
880-46865-1	H-1 (0-0.5')	106	94				
880-46865-2	H-2 (0-0.5')	106	95				
880-46865-2 MS	H-2 (0-0.5')	98	91				
880-46865-2 MSD	H-2 (0-0.5')	97	91				
880-46865-3	H-3 (0-0.5')	105	92				
880-46865-4	H-4 (0-0.5')	120	106				
880-46865-5	H-5 (0-0.5')	103	94				
880-46865-6	H-6 (0-0.5')	97	79				
880-46865-7	H-7 (0-0.5')	103	84				
LCS 880-87563/2-A	Lab Control Sample	94	88				
LCS 880-87564/2-A	Lab Control Sample	96	91				
LCSD 880-87563/3-A	Lab Control Sample Dup	92	85				

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-46865-1

Project/Site: Scott B SWD (06.16.24)

SDG: Eddy County NM

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)
LCSD 880-87564/3-A	Lab Control Sample Dup	96	89
MB 880-87563/1-A	Method Blank	145 S1+	128
MB 880-87564/1-A	Method Blank	98	87
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87482/5-A

Matrix: Solid

Analysis Batch: 87710

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87482

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/05/24 09:50	08/07/24 12:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/05/24 09:50	08/07/24 12:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/05/24 09:50	08/07/24 12:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/05/24 09:50	08/07/24 12:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/05/24 09:50	08/07/24 12:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/05/24 09:50	08/07/24 12:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	08/05/24 09:50	08/07/24 12:45	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/05/24 09:50	08/07/24 12:45	1

Lab Sample ID: MB 880-87485/5-A

Matrix: Solid

Analysis Batch: 87820

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/05/24 09:57	08/08/24 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/05/24 09:57	08/08/24 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/05/24 09:57	08/08/24 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/05/24 09:57	08/08/24 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/05/24 09:57	08/08/24 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/05/24 09:57	08/08/24 11:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/05/24 09:57	08/08/24 11:21	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/05/24 09:57	08/08/24 11:21	1

Lab Sample ID: MB 880-87630/5-A

Matrix: Solid

Analysis Batch: 87710

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:55	08/08/24 00:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:55	08/08/24 00:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:55	08/08/24 00:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/06/24 11:55	08/08/24 00:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/06/24 11:55	08/08/24 00:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/06/24 11:55	08/08/24 00:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	08/06/24 11:55	08/08/24 00:29	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/06/24 11:55	08/08/24 00:29	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-87630/1-A
Matrix: Solid
Analysis Batch: 87710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87630

Analyte	Spike			LCS		Unit	D	%Rec	%Rec	
	Added	Result	Qualifier	Result	Qualifier				Limits	
Benzene	0.100	0.1097				mg/Kg		110	70 - 130	
Toluene	0.100	0.1026				mg/Kg		103	70 - 130	
Ethylbenzene	0.100	0.1055				mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	0.200	0.2283				mg/Kg		114	70 - 130	
o-Xylene	0.100	0.1311	*+			mg/Kg		131	70 - 130	
Surrogate	LCS		LCS			Limits				
	%Recovery	Qualifier								
4-Bromofluorobenzene (Surr)	101					70 - 130				
1,4-Difluorobenzene (Surr)	102					70 - 130				

Lab Sample ID: LCSD 880-87630/2-A
Matrix: Solid
Analysis Batch: 87710

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87630

Analyte	Spike			LCSD		Unit	D	%Rec	%Rec		RPD	
	Added	Result	Qualifier	Result	Qualifier				Limits		RPD	Limit
Benzene	0.100	0.1116				mg/Kg		112	70 - 130		2	35
Toluene	0.100	0.1048				mg/Kg		105	70 - 130		2	35
Ethylbenzene	0.100	0.1046				mg/Kg		105	70 - 130		1	35
m-Xylene & p-Xylene	0.200	0.2345				mg/Kg		117	70 - 130		3	35
o-Xylene	0.100	0.1323	*+			mg/Kg		132	70 - 130		1	35
Surrogate	LCSD		LCSD			Limits						
	%Recovery	Qualifier										
4-Bromofluorobenzene (Surr)	101					70 - 130						
1,4-Difluorobenzene (Surr)	106					70 - 130						

Lab Sample ID: 880-46869-A-21-B MS
Matrix: Solid
Analysis Batch: 87710

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 87630

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	
Benzene	<0.00201	U	0.0998	0.09897		mg/Kg		99	70 - 130	
Toluene	<0.00201	U	0.0998	0.09362		mg/Kg		94	70 - 130	
Ethylbenzene	<0.00201	U	0.0998	0.08232		mg/Kg		82	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1867		mg/Kg		94	70 - 130	
o-Xylene	<0.00201	U *+	0.0998	0.1160		mg/Kg		116	70 - 130	
Surrogate	MS		MS			Limits				
	%Recovery	Qualifier								
4-Bromofluorobenzene (Surr)	96					70 - 130				
1,4-Difluorobenzene (Surr)	105					70 - 130				

Lab Sample ID: 880-46869-A-21-C MSD
Matrix: Solid
Analysis Batch: 87710

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 87630

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier		Result	Qualifier				Limits		RPD	Limit
Benzene	<0.00201	U	0.100	0.09866		mg/Kg		98	70 - 130		0	35
Toluene	<0.00201	U	0.100	0.1012		mg/Kg		101	70 - 130		8	35
Ethylbenzene	<0.00201	U	0.100	0.09193		mg/Kg		92	70 - 130		11	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

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

Lab Sample ID: 880-46869-A-21-C MSD

Matrix: Solid

Analysis Batch: 87710

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 87630

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2187		mg/Kg		109	70 - 130	16	35
o-Xylene	<0.00201	U *	0.100	0.1294		mg/Kg		129	70 - 130	11	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	99		70 - 130								

Lab Sample ID: MB 880-87734/5-A

Matrix: Solid

Analysis Batch: 87820

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87734

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 01:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 01:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 01:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/07/24 11:11	08/09/24 01:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 01:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/07/24 11:11	08/09/24 01:07	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/07/24 11:11	08/09/24 01:07	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/07/24 11:11	08/09/24 01:07	1

Lab Sample ID: LCS 880-87734/1-A

Matrix: Solid

Analysis Batch: 87820

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87734

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.09878		mg/Kg		99	70 - 130		
Toluene	0.100	0.1012		mg/Kg		101	70 - 130		
Ethylbenzene	0.100	0.1107		mg/Kg		111	70 - 130		
m-Xylene & p-Xylene	0.200	0.2079		mg/Kg		104	70 - 130		
o-Xylene	0.100	0.1068		mg/Kg		107	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits						
4-Bromofluorobenzene (Surr)	125		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: LCSD 880-87734/2-A

Matrix: Solid

Analysis Batch: 87820

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87734

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1017		mg/Kg		102	70 - 130	3	35
Toluene	0.100	0.1043		mg/Kg		104	70 - 130	3	35
Ethylbenzene	0.100	0.1044		mg/Kg		104	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2134		mg/Kg		107	70 - 130	3	35
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

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

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

Lab Sample ID: 880-46963-A-1-B MS
Matrix: Solid
Analysis Batch: 87820

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 87734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.08488		mg/Kg		85	70 - 130
Toluene	<0.00201	U	0.0998	0.08656		mg/Kg		87	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.08680		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1756		mg/Kg		88	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09009		mg/Kg		90	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-46963-A-1-C MSD
Matrix: Solid
Analysis Batch: 87820

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 87734

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09605		mg/Kg		96	70 - 130	12	35
Toluene	<0.00201	U	0.100	0.09794		mg/Kg		98	70 - 130	12	35
Ethylbenzene	<0.00201	U	0.100	0.09852		mg/Kg		98	70 - 130	13	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1976		mg/Kg		99	70 - 130	12	35
o-Xylene	<0.00201	U	0.100	0.1010		mg/Kg		101	70 - 130	11	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-87821/8
Matrix: Solid
Analysis Batch: 87821

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			08/08/24 11:16	1
Toluene	<0.00200	U	0.00200		mg/Kg			08/08/24 11:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			08/08/24 11:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			08/08/24 11:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			08/08/24 11:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			08/08/24 11:16	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	101		70 - 130		08/08/24 11:16	1			
1,4-Difluorobenzene (Surr)	91		70 - 130		08/08/24 11:16	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-87890/5-A

Matrix: Solid

Analysis Batch: 87821

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87890

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/24 11:56	08/08/24 22:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 11:56	08/08/24 22:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 11:56	08/08/24 22:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 11:56	08/08/24 22:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/24 11:56	08/08/24 22:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 11:56	08/08/24 22:18	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	110		70 - 130	08/08/24 11:56	08/08/24 22:18	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/08/24 11:56	08/08/24 22:18	1

Lab Sample ID: LCS 880-87890/1-A

Matrix: Solid

Analysis Batch: 87821

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87890

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1087		mg/Kg		109	70 - 130
Toluene	0.100	0.09905		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1036		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2169		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1090		mg/Kg		109	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-87890/2-A

Matrix: Solid

Analysis Batch: 87821

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87890

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.1072		mg/Kg		107	70 - 130	1	35
Toluene	0.100	0.09748		mg/Kg		97	70 - 130	2	35
Ethylbenzene	0.100	0.1017		mg/Kg		102	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2133		mg/Kg		107	70 - 130	2	35
o-Xylene	0.100	0.1073		mg/Kg		107	70 - 130	2	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-47024-A-1-A MS

Matrix: Solid

Analysis Batch: 87821

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 87890

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00202	U	0.100	0.09934		mg/Kg		99	70 - 130
Toluene	0.0189		0.100	0.1071		mg/Kg		88	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

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

Lab Sample ID: 880-47024-A-1-A MS
Matrix: Solid
Analysis Batch: 87821

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 87890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.0350		0.100	0.1217		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.0970		0.200	0.3065		mg/Kg		105	70 - 130
o-Xylene	0.0518	F1	0.100	0.1360		mg/Kg		84	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 880-47024-A-1-B MSD
Matrix: Solid
Analysis Batch: 87821

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 87890

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.1022		mg/Kg		102	70 - 130	3	35
Toluene	0.0189		0.100	0.1156		mg/Kg		97	70 - 130	8	35
Ethylbenzene	0.0350		0.100	0.1303		mg/Kg		95	70 - 130	7	35
m-Xylene & p-Xylene	0.0970		0.200	0.3378		mg/Kg		120	70 - 130	10	35
o-Xylene	0.0518	F1	0.100	0.1852	F1	mg/Kg		133	70 - 130	31	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								

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

Lab Sample ID: MB 880-87563/1-A
Matrix: Solid
Analysis Batch: 87595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87563

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/05/24 15:19	08/06/24 08:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/05/24 15:19	08/06/24 08:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/24 15:19	08/06/24 08:46	1
Total TPH	<50.0	U	50.0		mg/Kg		08/05/24 15:19	08/06/24 08:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	145	S1+	70 - 130						
o-Terphenyl	128		70 - 130						

Lab Sample ID: LCS 880-87563/2-A
Matrix: Solid
Analysis Batch: 87595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87563

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1011		mg/Kg		101	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

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

Lab Sample ID: LCS 880-87563/2-A						Client Sample ID: Lab Control Sample				
Matrix: Solid						Prep Type: Total/NA				
Analysis Batch: 87595						Prep Batch: 87563				
Analyte				Spike	LCS	LCS			%Rec	
				Added	Result	Qualifier	Unit	D	%Rec	Limits
Diesel Range Organics (Over C10-C28)				1000	871.0		mg/Kg		87	70 - 130
Surrogate	LCS		LCS							
	%Recovery	Qualifier	Limits							
1-Chlorooctane	94		70 - 130							
o-Terphenyl	88		70 - 130							

Lab Sample ID: LCSD 880-87563/3-A				Client Sample ID: Lab Control Sample Dup						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 87595				Prep Batch: 87563						
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	990.7		mg/Kg		99	70 - 130	2 20
Diesel Range Organics (Over C10-C28)			1000	824.9		mg/Kg		82	70 - 130	5 20
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	92		70 - 130							
o-Terphenyl	85		70 - 130							

Lab Sample ID: 880-46860-A-1-C MS						Client Sample ID: Matrix Spike				
Matrix: Solid						Prep Type: Total/NA				
Analysis Batch: 87595						Prep Batch: 87563				
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	993	985.4		mg/Kg		99	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	993	849.2		mg/Kg		86	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	96		70 - 130							
o-Terphenyl	88		70 - 130							

Lab Sample ID: 880-46860-A-1-D MSD				Client Sample ID: Matrix Spike Duplicate						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 87595				Prep Batch: 87563						
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	993	979.4		mg/Kg		99	70 - 130	1 20
Diesel Range Organics (Over C10-C28)	<49.9	U	993	890.2		mg/Kg		90	70 - 130	5 20
		MSD	MSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	98		70 - 130							
o-Terphenyl	91		70 - 130							

QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-87564/1-A
Matrix: Solid
Analysis Batch: 87743

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87564

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/05/24 15:24	08/07/24 11:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/05/24 15:24	08/07/24 11:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/24 15:24	08/07/24 11:55	1
Total TPH	<50.0	U	50.0		mg/Kg		08/05/24 15:24	08/07/24 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	08/05/24 15:24	08/07/24 11:55	1
o-Terphenyl	87		70 - 130	08/05/24 15:24	08/07/24 11:55	1

Lab Sample ID: LCS 880-87564/2-A
Matrix: Solid
Analysis Batch: 87743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87564

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1021		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	905.4		mg/Kg		91	70 - 130

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

Lab Sample ID: LCSD 880-87564/3-A
Matrix: Solid
Analysis Batch: 87743

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 87564

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1033		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	878.8		mg/Kg		88	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-46865-2 MS
Matrix: Solid
Analysis Batch: 87743

Client Sample ID: H-2 (0-0.5')
Prep Type: Total/NA
Prep Batch: 87564

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	991.5		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	899.2		mg/Kg		90	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

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

Lab Sample ID: 880-46865-2 MS
Matrix: Solid
Analysis Batch: 87743

Client Sample ID: H-2 (0-0.5')
Prep Type: Total/NA
Prep Batch: 87564

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: 880-46865-2 MSD
Matrix: Solid
Analysis Batch: 87743

Client Sample ID: H-2 (0-0.5')
Prep Type: Total/NA
Prep Batch: 87564

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	992.5		mg/Kg		99	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	880.6		mg/Kg		88	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	91		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87676/1-A
Matrix: Solid
Analysis Batch: 87720

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			08/08/24 08:15	1

Lab Sample ID: LCS 880-87676/2-A
Matrix: Solid
Analysis Batch: 87720

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	228.1		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-87676/3-A
Matrix: Solid
Analysis Batch: 87720

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	229.7		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 880-46865-1 MS
Matrix: Solid
Analysis Batch: 87720

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	47.9		252	317.5		mg/Kg		107	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-46865-1 MSD							Client Sample ID: H-1 (0-0.5')					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 87720												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	47.9		252	319.6		mg/Kg		108	90 - 110	1	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

GC VOA

Prep Batch: 87482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-87482/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 87485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-87485/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 87630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-46865-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-46865-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-46865-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-46865-5	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-87630/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87630/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87630/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46869-A-21-B MS	Matrix Spike	Total/NA	Solid	5035	
880-46869-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 87710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-1	H-1 (0-0.5')	Total/NA	Solid	8021B	87630
880-46865-2	H-2 (0-0.5')	Total/NA	Solid	8021B	87630
880-46865-3	H-3 (0-0.5')	Total/NA	Solid	8021B	87630
880-46865-4	H-4 (0-0.5')	Total/NA	Solid	8021B	87630
880-46865-5	H-5 (0-0.5')	Total/NA	Solid	8021B	87630
MB 880-87482/5-A	Method Blank	Total/NA	Solid	8021B	87482
MB 880-87630/5-A	Method Blank	Total/NA	Solid	8021B	87630
LCS 880-87630/1-A	Lab Control Sample	Total/NA	Solid	8021B	87630
LCSD 880-87630/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87630
880-46869-A-21-B MS	Matrix Spike	Total/NA	Solid	8021B	87630
880-46869-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	87630

Prep Batch: 87734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-6	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-87734/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87734/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87734/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46963-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-46963-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 87820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-6	H-6 (0-0.5')	Total/NA	Solid	8021B	87734
MB 880-87485/5-A	Method Blank	Total/NA	Solid	8021B	87485
MB 880-87734/5-A	Method Blank	Total/NA	Solid	8021B	87734
LCS 880-87734/1-A	Lab Control Sample	Total/NA	Solid	8021B	87734
LCSD 880-87734/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87734
880-46963-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	87734
880-46963-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	87734

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QC Association Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

GC VOA

Analysis Batch: 87821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-7	H-7 (0-0.5')	Total/NA	Solid	8021B	87890
MB 880-87821/8	Method Blank	Total/NA	Solid	8021B	
MB 880-87890/5-A	Method Blank	Total/NA	Solid	8021B	87890
LCS 880-87890/1-A	Lab Control Sample	Total/NA	Solid	8021B	87890
LCSD 880-87890/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87890
880-47024-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	87890
880-47024-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	87890

Prep Batch: 87890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-7	H-7 (0-0.5')	Total/NA	Solid	5035	
MB 880-87890/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87890/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87890/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-47024-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-47024-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 87898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-46865-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-46865-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-46865-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-46865-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-46865-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-46865-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 87563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-87563/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87563/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87563/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46860-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-46860-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 87564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-46865-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-46865-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-46865-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-46865-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-46865-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-87564/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87564/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87564/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46865-2 MS	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-46865-2 MSD	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

GC Semi VOA

Analysis Batch: 87595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	87563
MB 880-87563/1-A	Method Blank	Total/NA	Solid	8015B NM	87563
LCS 880-87563/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87563
LCSD 880-87563/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87563
880-46860-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	87563
880-46860-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	87563

Analysis Batch: 87743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	87564
880-46865-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	87564
880-46865-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	87564
880-46865-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	87564
880-46865-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	87564
880-46865-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	87564
MB 880-87564/1-A	Method Blank	Total/NA	Solid	8015B NM	87564
LCS 880-87564/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87564
LCSD 880-87564/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87564
880-46865-2 MS	H-2 (0-0.5')	Total/NA	Solid	8015B NM	87564
880-46865-2 MSD	H-2 (0-0.5')	Total/NA	Solid	8015B NM	87564

Analysis Batch: 87763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-46865-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-46865-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-46865-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-46865-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-46865-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-46865-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 87676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-46865-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-46865-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-46865-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-46865-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-46865-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-46865-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-87676/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87676/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87676/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46865-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-46865-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 87720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-1	H-1 (0-0.5')	Soluble	Solid	300.0	87676

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 87720 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46865-2	H-2 (0-0.5')	Soluble	Solid	300.0	87676
880-46865-3	H-3 (0-0.5')	Soluble	Solid	300.0	87676
880-46865-4	H-4 (0-0.5')	Soluble	Solid	300.0	87676
880-46865-5	H-5 (0-0.5')	Soluble	Solid	300.0	87676
880-46865-6	H-6 (0-0.5')	Soluble	Solid	300.0	87676
880-46865-7	H-7 (0-0.5')	Soluble	Solid	300.0	87676
MB 880-87676/1-A	Method Blank	Soluble	Solid	300.0	87676
LCS 880-87676/2-A	Lab Control Sample	Soluble	Solid	300.0	87676
LCSD 880-87676/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87676
880-46865-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	87676
880-46865-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	87676

Lab Chronicle

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

Client Sample ID: H-1 (0-0.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46865-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87630	08/06/24 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87710	08/08/24 06:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87898	08/08/24 06:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			87763	08/06/24 18:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87563	08/05/24 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87595	08/06/24 18:09	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	87676	08/06/24 15:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87720	08/08/24 08:30	CH	EET MID

Client Sample ID: H-2 (0-0.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46865-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87630	08/06/24 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87710	08/08/24 07:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87898	08/08/24 07:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			87763	08/07/24 16:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87564	08/05/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87743	08/07/24 16:38	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	87676	08/06/24 15:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87720	08/08/24 08:46	CH	EET MID

Client Sample ID: H-3 (0-0.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46865-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87630	08/06/24 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87710	08/08/24 07:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87898	08/08/24 07:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			87763	08/07/24 17:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87564	08/05/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87743	08/07/24 17:33	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87676	08/06/24 15:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87720	08/08/24 08:51	CH	EET MID

Client Sample ID: H-4 (0-0.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46865-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	87630	08/06/24 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87710	08/08/24 07:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87898	08/08/24 07:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

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

Lab Sample ID: 880-46865-4

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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			87763	08/07/24 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87564	08/05/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87743	08/07/24 17:52	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87676	08/06/24 15:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87720	08/08/24 08:57	CH	EET MID

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-46865-5

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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	87630	08/06/24 11:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87710	08/08/24 08:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87898	08/08/24 08:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			87763	08/07/24 18:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87564	08/05/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87743	08/07/24 18:10	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87676	08/06/24 15:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87720	08/08/24 09:02	CH	EET MID

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-46865-6

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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	87734	08/08/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 09:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87898	08/09/24 09:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			87763	08/07/24 18:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87564	08/05/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87743	08/07/24 18:28	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87676	08/06/24 15:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87720	08/08/24 09:17	CH	EET MID

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-46865-7

Date Collected: 08/01/24 00:00

Matrix: Solid

Date Received: 08/05/24 14:10

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	87890	08/08/24 11:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87821	08/09/24 01:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87898	08/09/24 01:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			87763	08/07/24 18:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87564	08/05/24 15:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87743	08/07/24 18:46	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

Client Sample ID: H-7 (0-0.5')
Date Collected: 08/01/24 00:00
Date Received: 08/05/24 14:10

Lab Sample ID: 880-46865-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	87676	08/06/24 15:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87720	08/08/24 09:23	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	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: Scott B SWD (06.16.24)

Job ID: 880-46865-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-46865-1	H-1 (0-0.5')	Solid	08/01/24 00:00	08/05/24 14:10
880-46865-2	H-2 (0-0.5')	Solid	08/01/24 00:00	08/05/24 14:10
880-46865-3	H-3 (0-0.5')	Solid	08/01/24 00:00	08/05/24 14:10
880-46865-4	H-4 (0-0.5')	Solid	08/01/24 00:00	08/05/24 14:10
880-46865-5	H-5 (0-0.5')	Solid	08/01/24 00:00	08/05/24 14:10
880-46865-6	H-6 (0-0.5')	Solid	08/01/24 00:00	08/05/24 14:10
880-46865-7	H-7 (0-0.5')	Solid	08/01/24 00:00	08/05/24 14:10

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380-46865 Chain of Custody

Page 1 of 1

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

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

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Leslie Munday	8-5-24		8/5/24

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-46865-1

SDG Number: Eddy County NM

Login Number: 46865

List Number: 1

Creator: Kramer, Jessica

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	

APPENDIX F

CARMONA RESOURCES



Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

9/11/2024
Page 1 of 3

Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Ku	Karro loam, 1 to 3 percent slopes	0.1	100.0%
Totals for Area of Interest		0.1	100.0%

Map Unit Description: Karro loam, 1 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

Ku—Karro loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4w

Elevation: 2,500 to 5,300 feet

Mean annual precipitation: 10 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 120 to 230 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Karro and similar soils: 98 percent

Minor components: 2 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Karro

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Riser, tal, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium

Typical profile

H1 - 0 to 10 inches: loam

H2 - 10 to 90 inches: loam

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high (0.20 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 60 percent

Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: High (about 10.5 inches)

Interpretive groups

Land capability classification (irrigated): 2s

Land capability classification (nonirrigated): 6s

Hydrologic Soil Group: C

Ecological site: R070BC030NM - Limy

Map Unit Description: Karro loam, 1 to 3 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

Minor Components

Karro

Percent of map unit: 1 percent

Ecological site: R070BC030NM - Limy

Hydric soil rating: No

Reeves

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023



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QUESTIONS

Action 382684

QUESTIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 382684
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2416936979
Incident Name	NAPP2416936979 SCOTT B SWD @ 30-015-44061
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-44061] SCOTT B SWD #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Scott B SWD
Date Release Discovered	06/16/2024
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Injection Produced Water Released: 85 BBL Recovered: 70 BBL Lost: 15 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 382684

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:
	372338
	Action Number:
	382684
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Joseph Vargo Title: Regulatory manager Email: joseph.vargo@nglep.com Date: 06/17/2024
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QUESTIONS, Page 3

Action 382684

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:	372338
	Action Number:	382684
	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	NM OSE iWaters Database Search
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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	24200
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	4280
GRO+DRO	(EPA SW-846 Method 8015M)	4280
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.1
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1

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	12/10/2024
On what date will (or did) the final sampling or liner inspection occur	12/10/2024
On what date will (or was) the remediation complete(d)	03/10/2025
What is the estimated surface area (in square feet) that will be reclaimed	113886
What is the estimated volume (in cubic yards) that will be reclaimed	705
What is the estimated surface area (in square feet) that will be remediated	113886
What is the estimated volume (in cubic yards) that will be remediated	705

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 382684

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:	372338
	Action Number:	382684
	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)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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: 09/11/2024
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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 382684

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 382684
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 382684

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 382684
	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	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 382684

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 382684
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 400 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	9/25/2024