



SITE INFORMATION

Work Plan
Paduca Main
Incident # NAPP2333233247
Lea County, New Mexico
Unit I Sec 22 T25S R32E
32.120278°, -103.670472°

Produced Water Release
Point of Release: Equipment Failure on a Flow Meter Valve
Release Date: 11/24/2023
Volume Released: 250 Barrels of Produced Water
Volume Recovered: 220 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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January 15, 2024

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Sante Fe, NM 87505

Re: Work Plan
Paduca Main (11.24.2023)
NGL Water Solutions Permian, LLC
Incident # NAPP2333233247
Site Location: Unit I Sec 22 T25S R32E
(Lat 32.120278°, Long -103.670472°)
Lea County, New Mexico

To whom it may concern:

On behalf of NGL Energy Partners (NGL), Carmona Resource, LLC has prepared this letter to document site assessment activities for the Paduca Main (11.24.2023). The site is located at 32.120278°, -103.670472° within Unit I, S22, T25S, R32E in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on November 24, 2023, due to equipment failure on the flow meter valve. It resulted in the release of approximately two hundred and fifty (250) barrels of produced water, and approximately two hundred and twenty (220) barrels of produced water were recovered. The impacted area was on the pad and pasture and measured approximately 225' x 105' on the pad and 120' x 40' in the pasture, as shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest groundwater determination bore is located approximately 1.24 miles north of the site in S10, T25S, R32E, and was drilled on June 7, 2022. The determination bore was drilled to a depth of 55' below the ground surface (ft bgs). The determination bore was revisited on June 13, 2022, and no presence of groundwater was found during that time. A copy of the associated NMOSE Well Record and Log is attached in Appendix D.

Pending approval of this work plan, Carmona Resources will oversee the installation of a 55' groundwater determination bore. The bore will be located on pad, within 0.5 miles of the release area. The bore will be left open for 72 hours and tagged with a water level meter to confirm the lack of groundwater presence. The driller log will be included in the closure report 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).

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432.813.1992



- 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.

4.0 Site Assessment Activities

On December 11, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of eight (8) trenches (T-1 through T-8) and ten (10) horizontal sample points (H-1 through H-10) were advanced to depths ranging from surface to 12' bgs inside the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

The sampling results are summarized in Table 1 and see Figure 3 for the sample locations.

5.0 Proposed Work Plan

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

- A groundwater determination bore will be installed to a depth of 55' on location.
- The areas of T-1, T-2, T-4, T-7, and H-3 will be excavated to a depth of 1.5' bgs and backfilled with clean material to grade. See Figure 4 for a proposed excavation map.
- The areas of T-8 will be excavated to a depth of 4' bgs and backfilled with clean material to grade. See Figure 4 for a proposed excavation map.
- An estimated 935 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth.
- A variance is requested per 19.15.29.14. 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.

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**6.0 Reclamation Activities**

Once the remediation activities are completed, the backfilled areas that are located off the pad will be reseeded. 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. The seed mixture that will be used is BLM Seed Mix #2 (See attachments in Appendix F).

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

Ashton Thielke
Sr. Project Manager

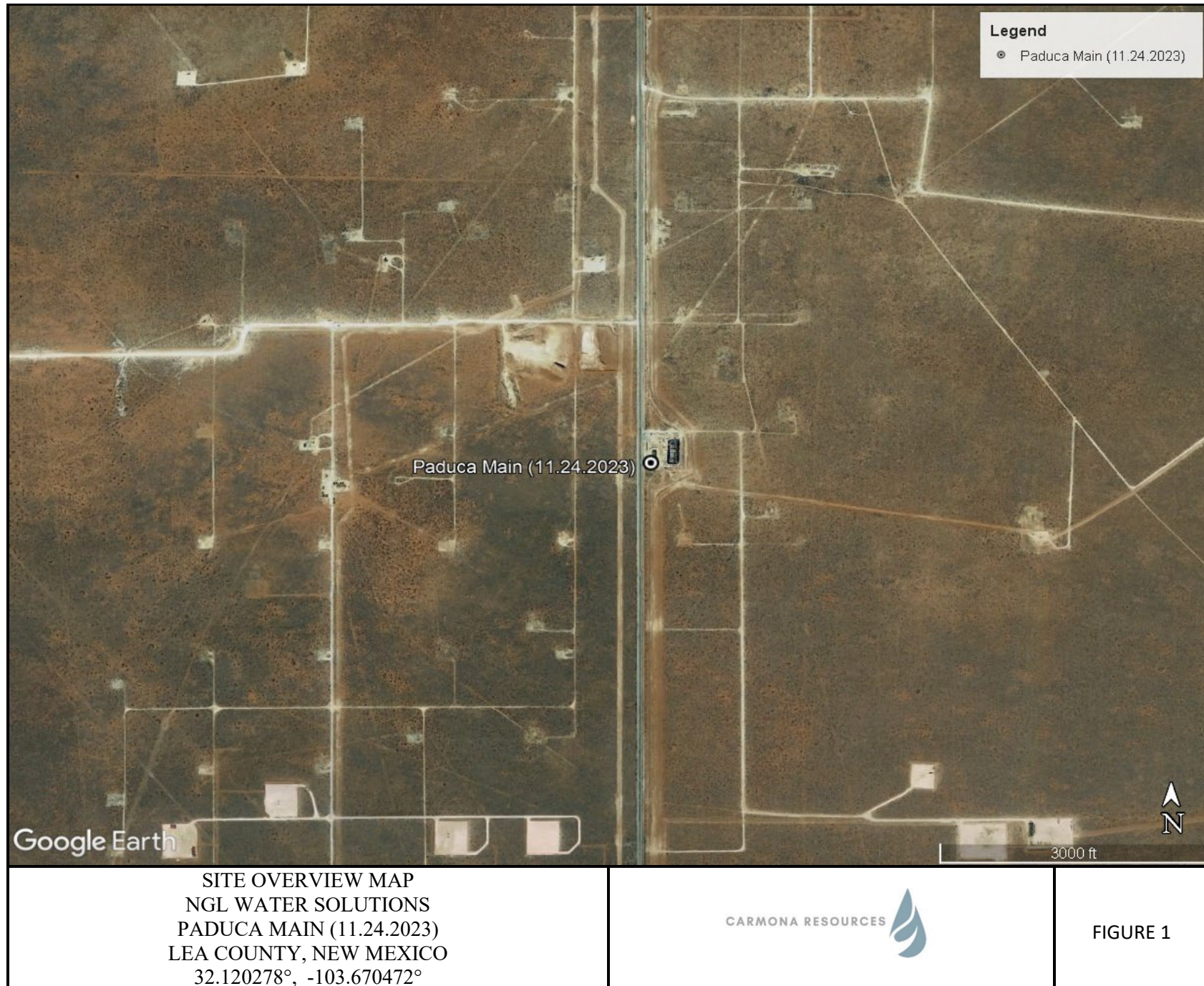
Conner Moehring
Sr. Project Manager

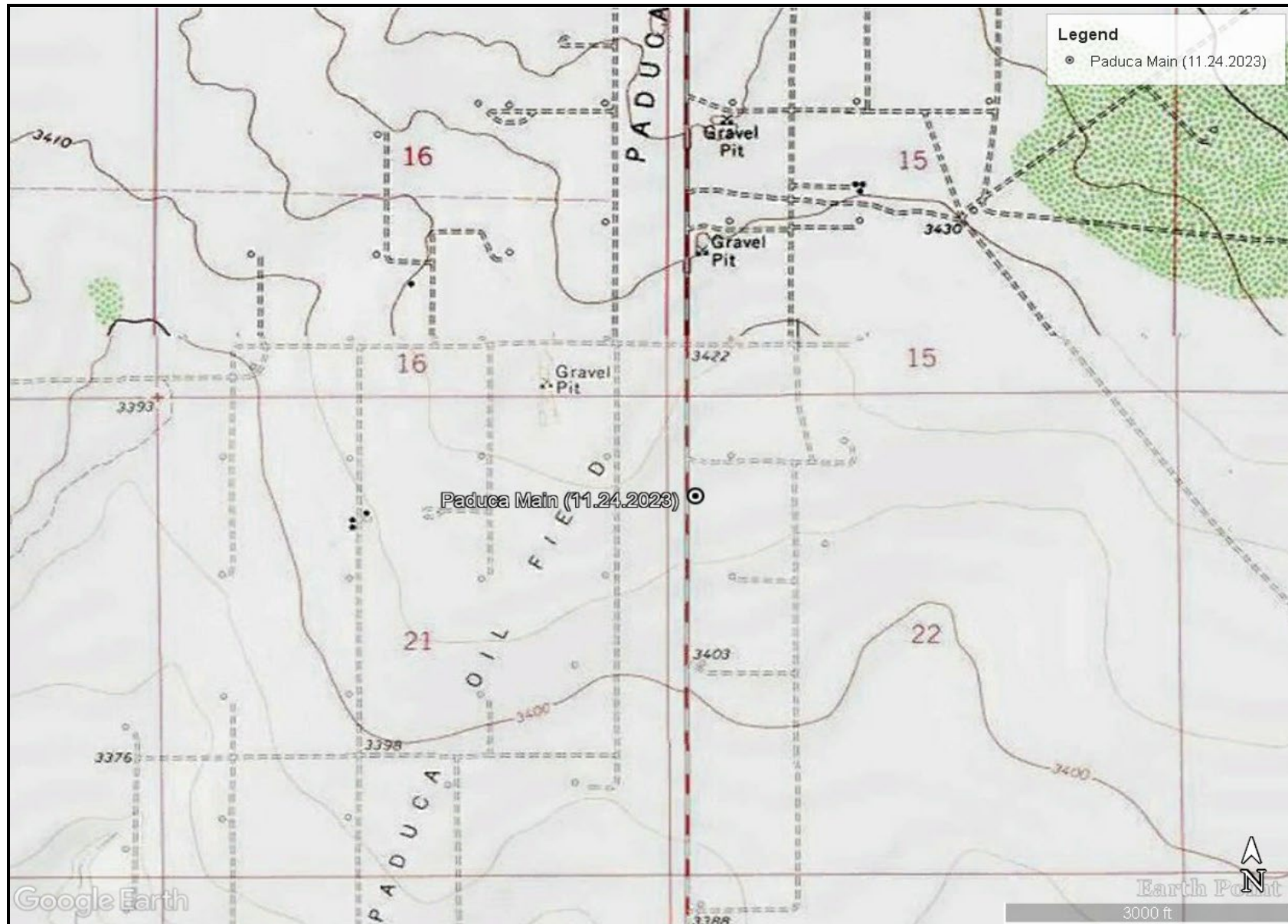
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432.813.1992

FIGURES

CARMONA RESOURCES



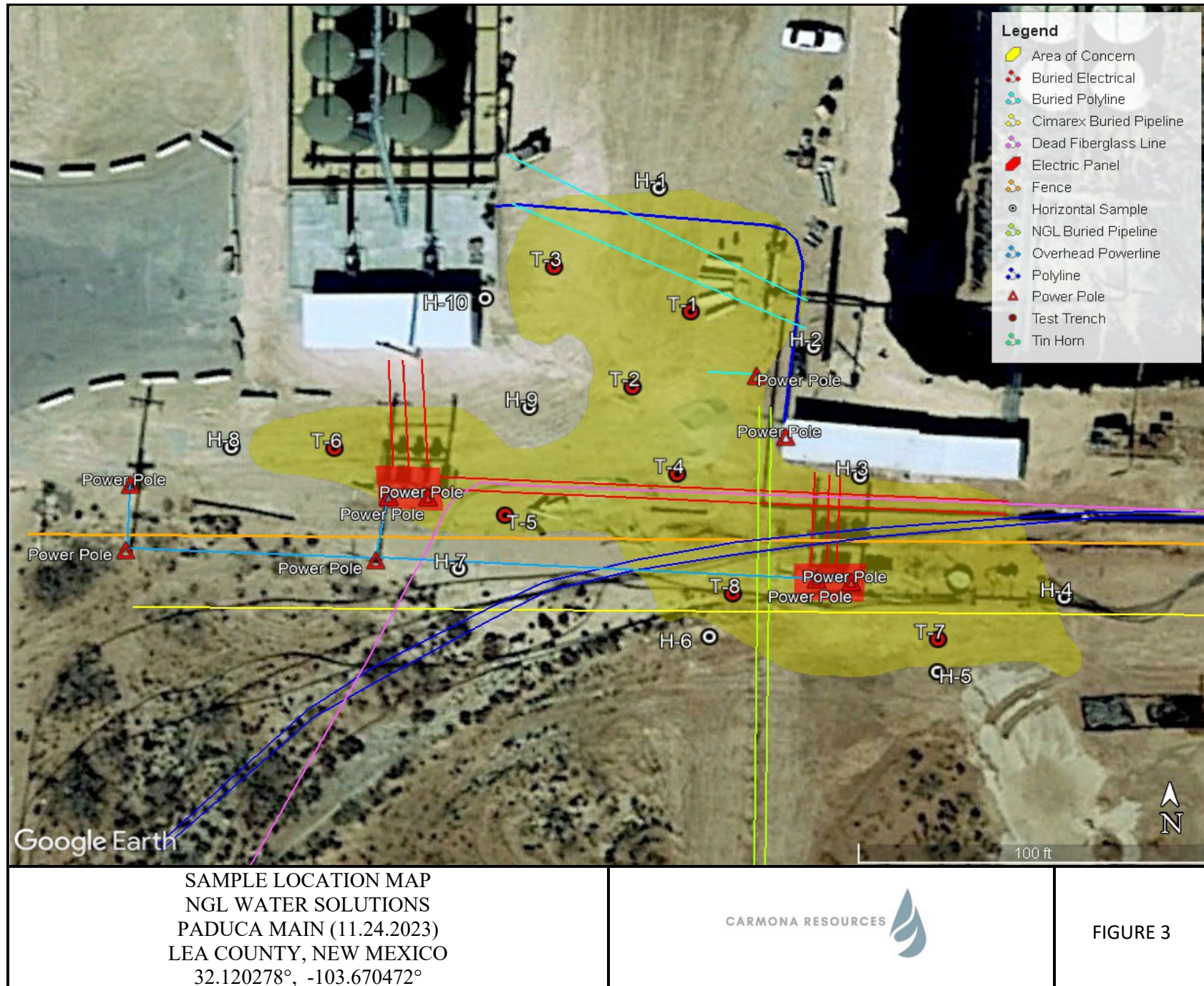


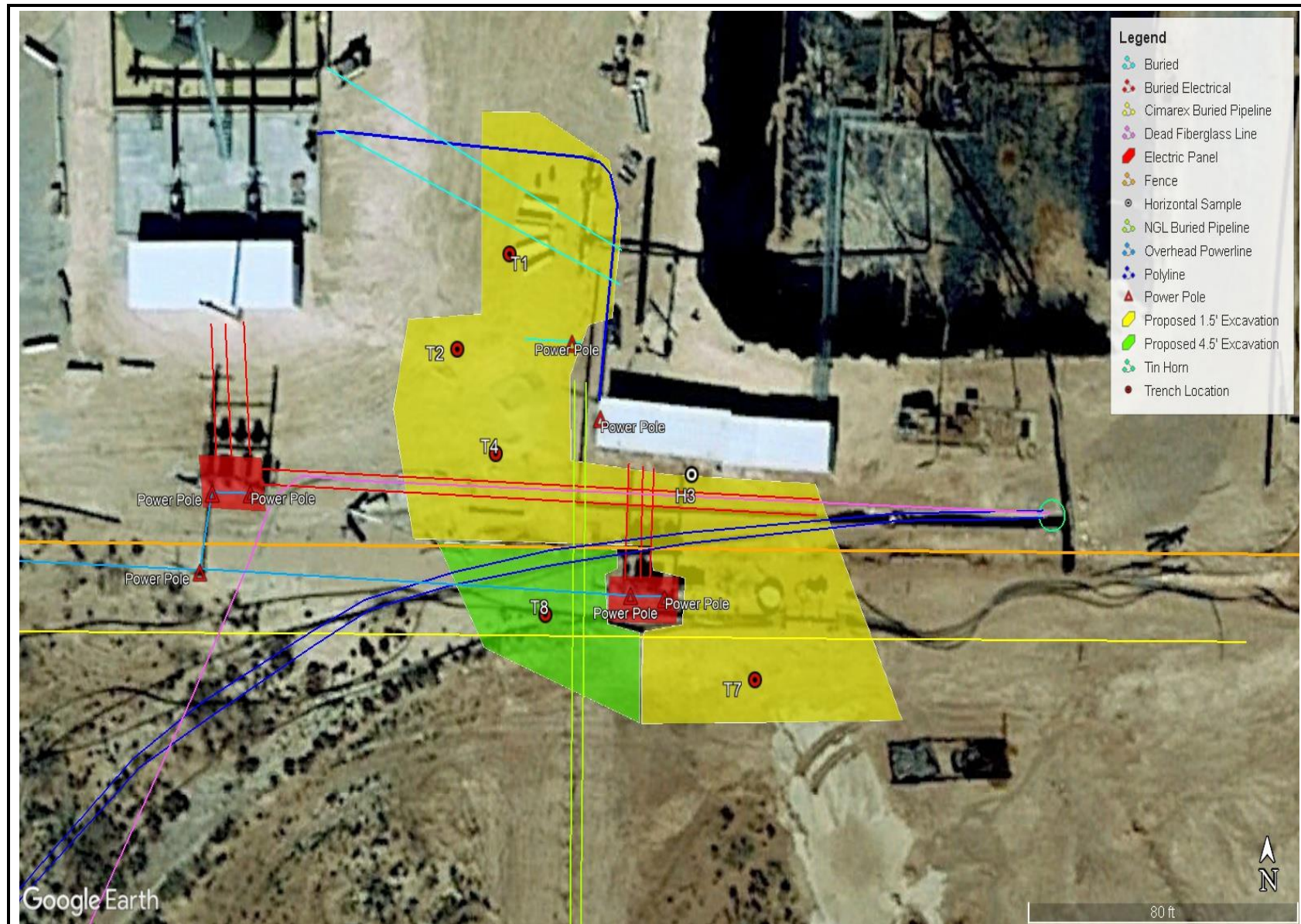


TOPOGRAPHIC MAP
 NGL WATER SOLUTIONS
 PADUCA MAIN (11.24.2023)
 LEA COUNTY, NEW MEXICO
 32.120278°, -103.670472°



FIGURE 2





PROPOSED EXCAVATION MAP
 NGL WATER SOLUTIONS
 PADUCA MAIN (11.24.2023)
 LEA COUNTY, NEW MEXICO
 32.120278°, -103.670472°



FIGURE 4

APPENDIX A

CARMONA RESOURCES



Table 1
NGL Water Solutions
Paduca Main
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
On Pad												
T-1	12/11/2023	0-1.0'	<49.8	205	<49.8	205	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10,800
	"	1.5'	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	830
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	245
T-2	12/11/2023	0-1.0'	<49.7	158	<49.7	158	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	12,300
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,250
	"	2.0'	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	673
	"	3.0'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	823
	"	4.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,850
	"	5.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,750
	"	6.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,260
	"	7.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	3,380
	"	8.0'	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,330
	"	9.0'	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,500
	"	10.0'	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,530
	"	11.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,280
"	12.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	29.6	
T-3	12/11/2023	0-1.0'	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	4,400
	"	1.5'	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,450
	"	2.0'	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,940
	"	3.0'	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,060
	"	4.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,550
	"	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,120
	"	6.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,210
T-4	12/11/2023	0-1.0'	<49.5	2,420	<49.5	2,420	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	4,060
	"	1.5'	<50.2	140	<50.2	140	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,090
	"	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	604
	"	3.0'	<50.4	233	<50.4	233	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,450
	"	4.0'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,350
	"	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,260
	"	6.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	676
	"	7.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,420
	"	8.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,360
	"	9.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,080
	"	10.0'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,090
	"	11.0'	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,130
"	12.0'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	26.8	
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

Proposed Excavation

Table 1
NGL Water Solutions
Paduca Main
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-5	12/11/2023	0-1.0'	<49.9	301	<49.9	301	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,790
	"	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,570
	"	2.0'	<50.0	66.9	<50.0	66.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,490
	"	3.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,300
	"	4.0'	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,280
	"	5.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,590
	"	6.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,040
	"	7.0'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,040
	"	8.0'	<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	635
	"	9.0'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	696
	"	10.0'	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	462
	"	11.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.4
T-6	12/11/2023	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,420
	"	1.5'	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	778
	"	2.0'	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	730
	"	3.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	657
	"	4.0'	<49.5	<49.5	<49.5	<49.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,270
	"	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	118
	"	6.0'	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	17.0
Off Pad - Pasture												
T-7	12/11/2023	0-1.0'	<50.4	123	<50.4	123	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	2,150
	"	1.5'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	322
	"	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	82.5
	"	3.0'	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	103
	"	4.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	22.2
T-8	12/11/2023	0-1.0'	<50.5	74.8	<50.5	74.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,160
	"	1.5'	<50.1	1,250	<50.1	1,250	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	353
	"	2.0'	<49.7	85.4	<49.7	85.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	869
	"	3.0'	<50.0	198	<50.0	198	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	592
	"	4.0'	<49.6	230	<49.6	230	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	148
	"	5.0'	<49.9	350	<49.9	350	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	119
	"	6.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.9
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

(T) Trench

 Proposed Excavation

Table 1
NGL Water Solutions
Paduca Main
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	12/11/2023	0-0.5'	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	9.30
H-2	12/11/2023	0-0.5'	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<5.04
H-3	12/11/2023	0-0.5'	<50.0	121	<50.0	121	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.03
H-4	12/11/2023	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	23.5
H-5	12/11/2023	0-0.5'	<49.6	56.2	<49.6	56.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	128
H-6	12/11/2023	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	9.50
H-7	12/11/2023	0-0.5'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	408
H-8	12/11/2023	0-0.5'	<50.5	89.5	<50.5	89.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	56.8
H-9	12/11/2023	0-0.5'	<50.1	62.2	<50.1	62.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.20
H-10	12/11/2023	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	281
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

Proposed Excavation

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 1

Facility: Paduca Main (11.24.2023)

County: Lea County, New Mexico

Description:

View West, area of T-1.



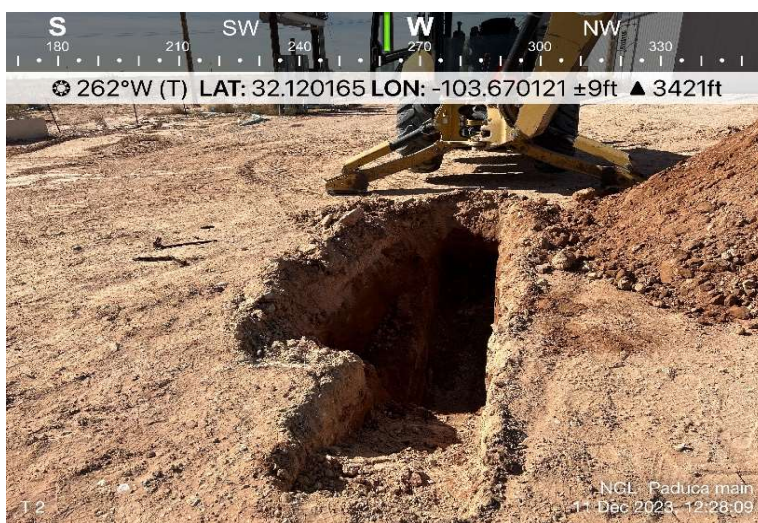
Photograph No. 2

Facility: Paduca Main (11.24.2023)

County: Lea County, New Mexico

Description:

View West, area of T-2.



Photograph No. 3

Facility: Paduca Main (11.24.2023)

County: Lea County, New Mexico

Description:

View South, area of T-3.



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 4

Facility: Paduca Main (11.24.2023)

County: Lea County, New Mexico

Description:

View West, area of T-4.



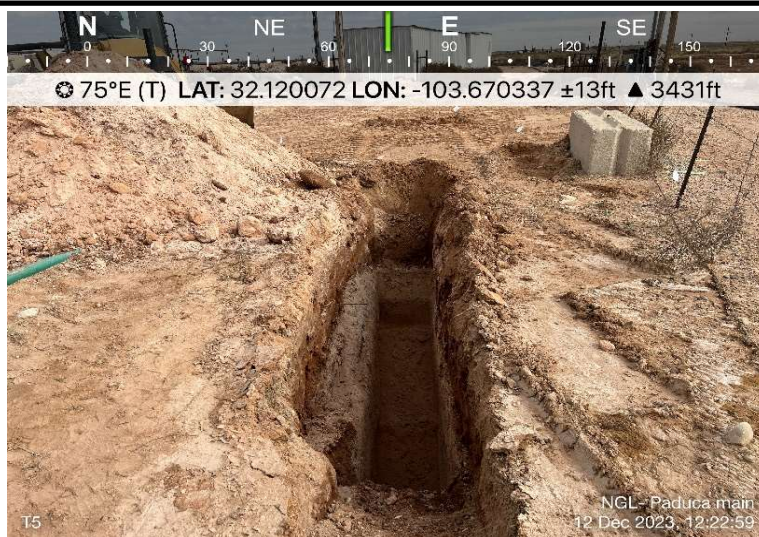
Photograph No. 5

Facility: Paduca Main (11.24.2023)

County: Lea County, New Mexico

Description:

View East, area of T-5.



Photograph No. 6

Facility: Paduca Main (11.24.2023)

County: Lea County, New Mexico

Description:

View East, area of T-6.



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 7

Facility: Paduca Main (11.24.2023)

County: Lea County, New Mexico

Description:
View East, area of T-7.



APPENDIX C

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2333233247
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	NGL Water Solutions Permian, LLC	OGRID	372338
Contact Name	Joseph Vargo	Contact Telephone	303-815-1010
Contact email	Joseph.Vargo@nglep.com	Incident # (assigned by OCD)	nAPP2333233247
Contact mailing address	865 N. Albion Street, Suite 400, Denver, CO 80220		

Location of Release Source

Latitude 32.120278 Longitude -103.670472
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Paduca Main	Site Type	Produced Water Transfer
Date Release Discovered	11.24.23	API# (if applicable)	

Unit Letter	Section	Township	Range	County
I	22	25S	32E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: NGL Water Solutions, LLC)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 250	Volume Recovered (bbls) 220
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

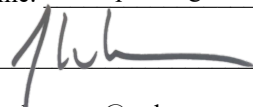
A flow meter valve failed causing a produced water release both inside and outside containment. 250 bbls released, 140 inside containment all of which was recovered and processed through tankage on site, and of the 110 bbls outside containment, 80 bbls were recovered with third party vacuum trucks.

Incident ID	nAPP2333233247
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.	
☒ The impacted area has been secured to protect human health and the environment.	
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Joseph Vargo	Title: Regulatory Director
Signature: 	Date: 11.28.23
email: joseph.vargo@nglep.com	Telephone: 303-815-1010
<u>OCD Only</u>	
Received by: Shelly Wells	Date: 11/28/2023

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 288822

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 288822
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	11/28/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

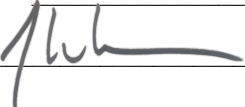
State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

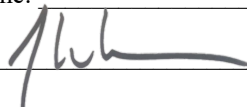
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ 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: Michael Buchanan Date: 03/13/2024

APPENDIX D

CARMONA RESOURCES



Proposed 55" Groundwater Determination Bore

Paduca Main (11.24.2023)
32.120278, -103.670472

Legend

- 0.03 Miles
- Paduca Main (11.24.2023)
- Proposed GWDB

Paduca Main (11.24.2023)

Proposed GWDB



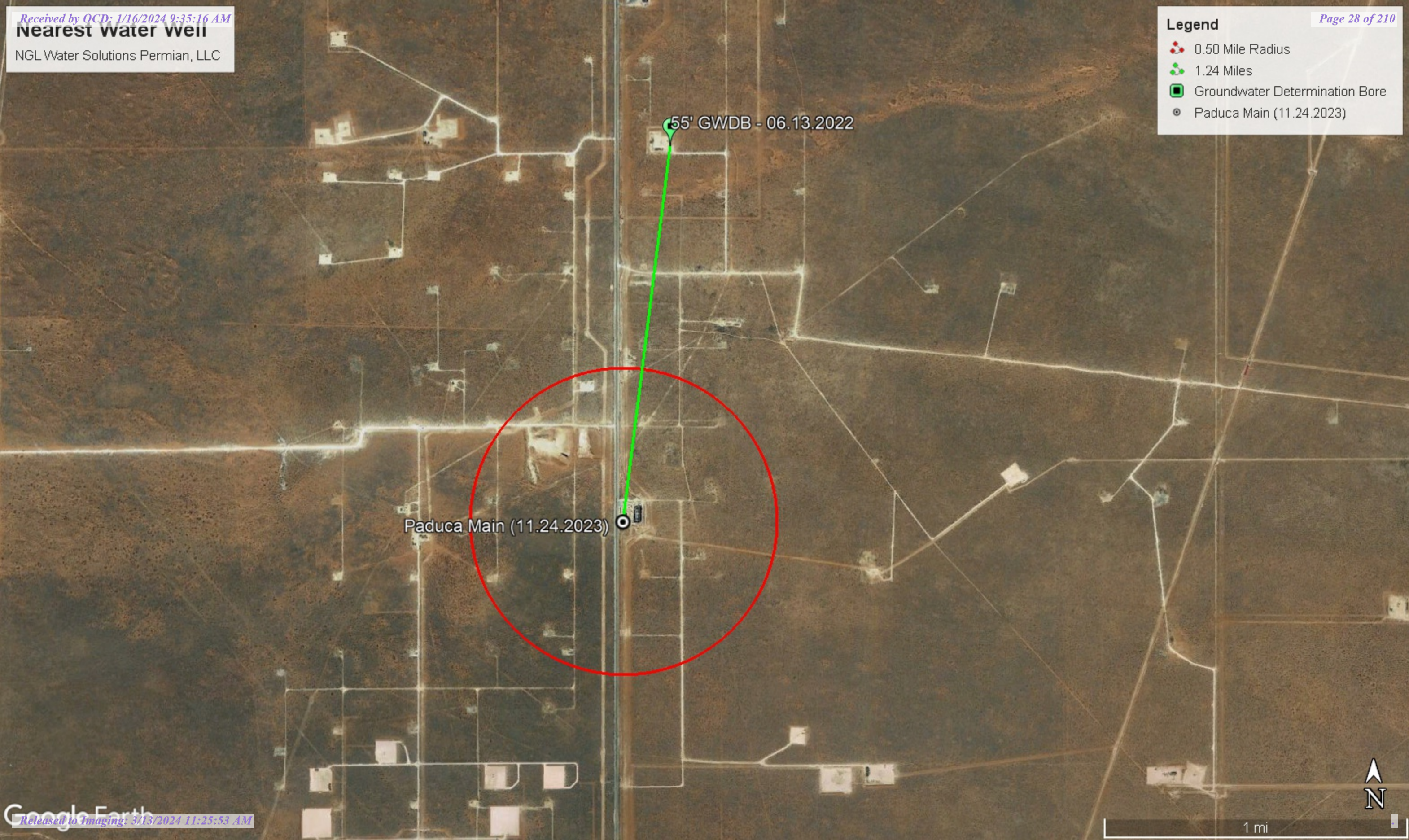
300 ft

Nearest water well

NGL Water Solutions Permian, LLC

Legend

- 0.50 Mile Radius
- 1.24 Miles
- Groundwater Determination Bore
- Paduca Main (11.24.2023)



Paduca Main (11.24.2023)

55' GWDB - 06.13.2022



Low Karst

NGL Water Solutions Permian, LLC

Legend

- Low
- Paduca Main (11.24.2023)

Paduca Main (11.24.2023)



1 mi



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 04634 POD1	CUB	LE		4	3	3	10	25S	32E	625643	3556522	1993	55		
C 04722 POD1	CUB	LE		3	3	2	29	25S	32E	622962	3552530	3176			

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 625421

Northing (Y): 3554541

Radius: 4000

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.

11/29/23 3:04 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4634			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 8	SECONDS 17.23	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE 103	40	4.33	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SW SW Sec.10 T25S R32S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 6/7/2022	DRILLING ENDED 6/7/2022	DEPTH OF COMPLETED WELL (FT) Temporary Well		BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 6/13/2022		
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	C-4634	POD NO.	POD 1	TRN NO.	726471
LOCATION	T25S 32E 10 4-3-3			WELL TAG ID NO.	N/A

PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	Sand, Fine-grained, poorly graded, 2.5 YR 3/6, Dark Red	Y ✓ N	
	4	14	10	Caliche, with Fine-grained sand, 7.5 YR 7/4, Pink	Y ✓ N	
	14	55	41	Sand, Fine-grained, poorly graded, with Caliche, 7.5 YR 7/6, Reddish Yellow	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 32 CDU 237	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

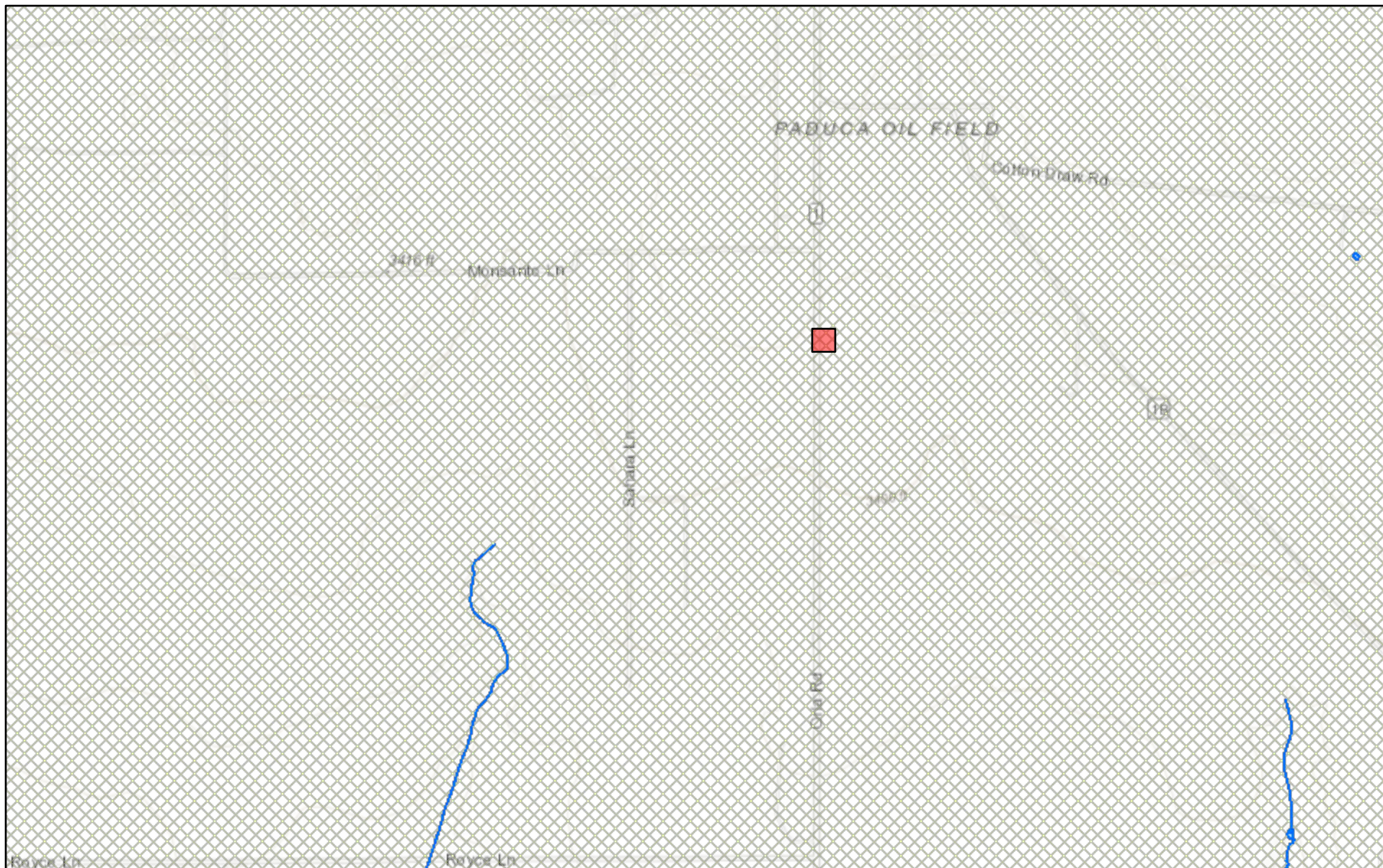
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	Jackie D. Atkins	6/16/2022
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE

FOR OSE INTERNAL USE

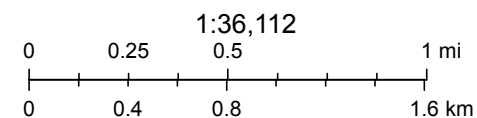
WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	C-4634	POD NO.	POD1	TRN NO.	726471
LOCATION	255 322 10 4-3-3	WELL TAG ID NO.	N/A	PAGE 2 OF 2	

New Mexico NFHL Data



November 29, 2023



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

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

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

APPENDIX E

CARMONA RESOURCES





Environment Testing

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- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/21/2023 12:49:03 PM

JOB DESCRIPTION

Paduca Main
Lea Co. NM

JOB NUMBER

880-37026-1

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
12/21/2023 12:49:03 PM

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

Client: Carmona Resources
Project/Site: Paduca Main

Laboratory Job ID: 880-37026-1
SDG: Lea Co. NM

Table of Contents

Cover Page	1
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Client Sample Results	6
Surrogate Summary	14
QC Sample Results	15
QC Association Summary	19
Lab Chronicle	22
Certification Summary	26
Method Summary	27
Sample Summary	28
Chain of Custody	29
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Definitions/Glossary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Paduca Main

Job ID: 880-37026-1

Job ID: 880-37026-1

Eurofins Midland

Job Narrative
880-37026-1

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

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

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

Receipt

The samples were received on 12/15/2023 2:08 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 -7.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5) (880-37026-1), H-2 (0-0.5) (880-37026-2), H-3 (0-0.5) (880-37026-3), H-4 (0-0.5) (880-37026-4), H-5 (0-0.5) (880-37026-5), H-6 (0-0.5) (880-37026-6), H-7 (0-0.5) (880-37026-7), H-8 (0-0.5) (880-37026-8), H-9 (0-0.5) (880-37026-9) and H-10 (0-0.5) (880-37026-10).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5) (880-37026-1), H-2 (0-0.5) (880-37026-2), H-3 (0-0.5) (880-37026-3), H-4 (0-0.5) (880-37026-4), H-5 (0-0.5) (880-37026-5), H-6 (0-0.5) (880-37026-6), H-7 (0-0.5) (880-37026-7), H-8 (0-0.5) (880-37026-8), H-9 (0-0.5) (880-37026-9), H-10 (0-0.5) (880-37026-10), (CCV 880-69426/2), (CCV 880-69426/33), (LCS 880-69313/1-A), (LCSD 880-69313/2-A), (880-37026-A-1-C MS) and (880-37026-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-69313 and analytical batch 880-69426 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.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5) (880-37026-1), H-2 (0-0.5) (880-37026-2), H-3 (0-0.5) (880-37026-3), H-4 (0-0.5) (880-37026-4), H-5 (0-0.5) (880-37026-5), H-6 (0-0.5) (880-37026-6), H-7 (0-0.5) (880-37026-7), H-8 (0-0.5) (880-37026-8), H-9 (0-0.5) (880-37026-9), H-10 (0-0.5) (880-37026-10) and (880-37028-A-61-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-69258 and analytical batch 880-69261 were below control limits due to an incorrect spike amount added. The associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-69258 and analytical batch 880-69261 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample 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.

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: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-37026-1

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F2	0.00201		mg/Kg		12/18/23 13:16	12/20/23 12:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:16	12/20/23 12:24	1
Ethylbenzene	<0.00201	U F2 F1	0.00201		mg/Kg		12/18/23 13:16	12/20/23 12:24	1
m-Xylene & p-Xylene	<0.00402	U F2	0.00402		mg/Kg		12/18/23 13:16	12/20/23 12:24	1
o-Xylene	<0.00201	U F2 F1	0.00201		mg/Kg		12/18/23 13:16	12/20/23 12:24	1
Xylenes, Total	<0.00402	U F2	0.00402		mg/Kg		12/18/23 13:16	12/20/23 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	192	S1+	70 - 130	12/18/23 13:16	12/20/23 12:24	1
1,4-Difluorobenzene (Surr)	78		70 - 130	12/18/23 13:16	12/20/23 12:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/20/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/17/23 01:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/15/23 22:47	12/17/23 01:51	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/15/23 22:47	12/17/23 01:51	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/15/23 22:47	12/17/23 01:51	1
Total TPH	<50.2	U	50.2		mg/Kg		12/15/23 22:47	12/17/23 01:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130	12/15/23 22:47	12/17/23 01:51	1
o-Terphenyl	152	S1+	70 - 130	12/15/23 22:47	12/17/23 01:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.30		4.96		mg/Kg			12/18/23 16:50	1

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

Lab Sample ID: 880-37026-2

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 13:16	12/20/23 12:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:16	12/20/23 12:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:16	12/20/23 12:50	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/18/23 13:16	12/20/23 12:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:16	12/20/23 12:50	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/18/23 13:16	12/20/23 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	225	S1+	70 - 130	12/18/23 13:16	12/20/23 12:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/18/23 13:16	12/20/23 12:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-37026-2

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/20/23 12:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/17/23 02:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		12/15/23 22:47	12/17/23 02:11	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		12/15/23 22:47	12/17/23 02:11	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/15/23 22:47	12/17/23 02:11	1
Total TPH	<50.5	U	50.5		mg/Kg		12/15/23 22:47	12/17/23 02:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	12/15/23 22:47	12/17/23 02:11	1
o-Terphenyl	142	S1+	70 - 130	12/15/23 22:47	12/17/23 02:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			12/18/23 16:55	1

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

Lab Sample ID: 880-37026-3

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 13:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 13:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 13:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 13:16	12/20/23 13:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 13:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 13:16	12/20/23 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	230	S1+	70 - 130	12/18/23 13:16	12/20/23 13:16	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/18/23 13:16	12/20/23 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			12/20/23 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	121		50.0		mg/Kg			12/17/23 02:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 22:47	12/17/23 02:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-37026-3

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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)	121		50.0		mg/Kg		12/15/23 22:47	12/17/23 02:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:47	12/17/23 02:32	1
Total TPH	121		50.0		mg/Kg		12/15/23 22:47	12/17/23 02:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				12/15/23 22:47	12/17/23 02:32	1
o-Terphenyl	168	S1+	70 - 130				12/15/23 22:47	12/17/23 02:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			12/18/23 16:59	1

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

Lab Sample ID: 880-37026-4

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 13:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 13:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 13:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 13:16	12/20/23 13:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 13:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 13:16	12/20/23 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	256	S1+	70 - 130				12/18/23 13:16	12/20/23 13:42	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/18/23 13:16	12/20/23 13:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/23 13:42	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			12/17/23 02:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/15/23 22:47	12/17/23 02:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/15/23 22:47	12/17/23 02:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/15/23 22:47	12/17/23 02:53	1
Total TPH	<49.8	U	49.8		mg/Kg		12/15/23 22:47	12/17/23 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				12/15/23 22:47	12/17/23 02:53	1
o-Terphenyl	164	S1+	70 - 130				12/15/23 22:47	12/17/23 02:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-37026-4

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.5		5.02		mg/Kg			12/18/23 17:14	1

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

Lab Sample ID: 880-37026-5

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 14:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 14:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 14:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 13:16	12/20/23 14:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 14:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 13:16	12/20/23 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	266	S1+	70 - 130	12/18/23 13:16	12/20/23 14:08	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/18/23 13:16	12/20/23 14:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/23 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.2		49.6		mg/Kg			12/17/23 03:14	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	<49.6	U	49.6		mg/Kg		12/15/23 22:47	12/17/23 03:14	1
Diesel Range Organics (Over C10-C28)	56.2		49.6		mg/Kg		12/15/23 22:47	12/17/23 03:14	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/15/23 22:47	12/17/23 03:14	1
Total TPH	56.2		49.6		mg/Kg		12/15/23 22:47	12/17/23 03:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130	12/15/23 22:47	12/17/23 03:14	1
o-Terphenyl	156	S1+	70 - 130	12/15/23 22:47	12/17/23 03:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		4.99		mg/Kg			12/18/23 17:19	1

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

Lab Sample ID: 880-37026-6

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 14:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 14:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-37026-6

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 13:16	12/20/23 14:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 13:16	12/20/23 14:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 14:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 13:16	12/20/23 14:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	241	S1+	70 - 130				12/18/23 13:16	12/20/23 14:34	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/18/23 13:16	12/20/23 14:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/20/23 14:34	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			12/17/23 03:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 22:47	12/17/23 03:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/15/23 22:47	12/17/23 03:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:47	12/17/23 03:34	1
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 22:47	12/17/23 03:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				12/15/23 22:47	12/17/23 03:34	1
o-Terphenyl	136	S1+	70 - 130				12/15/23 22:47	12/17/23 03:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.50		5.00		mg/Kg			12/18/23 17:24	1

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

Lab Sample ID: 880-37026-7

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:16	12/20/23 15:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:16	12/20/23 15:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:16	12/20/23 15:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/23 13:16	12/20/23 15:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:16	12/20/23 15:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/23 13:16	12/20/23 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	283	S1+	70 - 130				12/18/23 13:16	12/20/23 15:52	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/18/23 13:16	12/20/23 15:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-37026-7

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/20/23 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/17/23 03:55	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	<50.3	U	50.3		mg/Kg		12/15/23 22:47	12/17/23 03:55	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/15/23 22:47	12/17/23 03:55	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/15/23 22:47	12/17/23 03:55	1
Total TPH	<50.3	U	50.3		mg/Kg		12/15/23 22:47	12/17/23 03:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	12/15/23 22:47	12/17/23 03:55	1
o-Terphenyl	139	S1+	70 - 130	12/15/23 22:47	12/17/23 03:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	408		4.97		mg/Kg			12/18/23 17:28	1

Client Sample ID: H-8 (0-0.5)

Lab Sample ID: 880-37026-8

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 13:16	12/20/23 16:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:16	12/20/23 16:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:16	12/20/23 16:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/18/23 13:16	12/20/23 16:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:16	12/20/23 16:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/18/23 13:16	12/20/23 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	174	S1+	70 - 130	12/18/23 13:16	12/20/23 16:18	1
1,4-Difluorobenzene (Surr)	80		70 - 130	12/18/23 13:16	12/20/23 16:18	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			12/20/23 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	89.5		50.5		mg/Kg			12/17/23 04:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		12/15/23 22:47	12/17/23 04:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

Client Sample ID: H-8 (0-0.5)

Lab Sample ID: 880-37026-8

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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)	89.5		50.5		mg/Kg		12/15/23 22:47	12/17/23 04:15	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/15/23 22:47	12/17/23 04:15	1
Total TPH	89.5		50.5		mg/Kg		12/15/23 22:47	12/17/23 04:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				12/15/23 22:47	12/17/23 04:15	1
o-Terphenyl	138	S1+	70 - 130				12/15/23 22:47	12/17/23 04:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.8		5.04		mg/Kg			12/18/23 17:33	1

Client Sample ID: H-9 (0-0.5)

Lab Sample ID: 880-37026-9

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 18:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 18:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 18:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 13:16	12/20/23 18:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 18:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 13:16	12/20/23 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130				12/18/23 13:16	12/20/23 18:01	1
1,4-Difluorobenzene (Surr)	82		70 - 130				12/18/23 13:16	12/20/23 18:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/23 18:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.2		50.1		mg/Kg			12/17/23 04:36	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	<50.1	U	50.1		mg/Kg		12/15/23 22:47	12/17/23 04:36	1
Diesel Range Organics (Over C10-C28)	62.2		50.1		mg/Kg		12/15/23 22:47	12/17/23 04:36	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/15/23 22:47	12/17/23 04:36	1
Total TPH	62.2		50.1		mg/Kg		12/15/23 22:47	12/17/23 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				12/15/23 22:47	12/17/23 04:36	1
o-Terphenyl	146	S1+	70 - 130				12/15/23 22:47	12/17/23 04:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

Client Sample ID: H-9 (0-0.5)

Lab Sample ID: 880-37026-9

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.20		5.02		mg/Kg			12/18/23 17:38	1

Client Sample ID: H-10 (0-0.5)

Lab Sample ID: 880-37026-10

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:16	12/20/23 18:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:16	12/20/23 18:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:16	12/20/23 18:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/18/23 13:16	12/20/23 18:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:16	12/20/23 18:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/18/23 13:16	12/20/23 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	222	S1+	70 - 130	12/18/23 13:16	12/20/23 18:26	1
1,4-Difluorobenzene (Surr)	87		70 - 130	12/18/23 13:16	12/20/23 18:26	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			12/20/23 18:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/17/23 04:58	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	<50.1	U	50.1		mg/Kg		12/15/23 22:47	12/17/23 04:58	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/15/23 22:47	12/17/23 04:58	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/15/23 22:47	12/17/23 04:58	1
Total TPH	<50.1	U	50.1		mg/Kg		12/15/23 22:47	12/17/23 04:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/15/23 22:47	12/17/23 04:58	1
o-Terphenyl	135	S1+	70 - 130	12/15/23 22:47	12/17/23 04:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	281		24.9		mg/Kg			12/18/23 17:53	5

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Surrogate Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	BFB1	DFBZ1		
		(70-130)	(70-130)		
880-37026-1	H-1 (0-0.5)	192 S1+	78		
880-37026-1 MS	H-1 (0-0.5)	244 S1+	69 S1-		
880-37026-1 MSD	H-1 (0-0.5)	184 S1+	96		
880-37026-2	H-2 (0-0.5)	225 S1+	100		
880-37026-3	H-3 (0-0.5)	230 S1+	106		
880-37026-4	H-4 (0-0.5)	256 S1+	99		
880-37026-5	H-5 (0-0.5)	266 S1+	107		
880-37026-6	H-6 (0-0.5)	241 S1+	91		
880-37026-7	H-7 (0-0.5)	283 S1+	105		
880-37026-8	H-8 (0-0.5)	174 S1+	80		
880-37026-9	H-9 (0-0.5)	178 S1+	82		
880-37026-10	H-10 (0-0.5)	222 S1+	87		
LCS 880-69313/1-A	Lab Control Sample	203 S1+	93		
LCSD 880-69313/2-A	Lab Control Sample Dup	190 S1+	79		
MB 880-69313/5-A	Method Blank	114	80		
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)		
880-37026-1	H-1 (0-0.5)	142 S1+	152 S1+		
880-37026-2	H-2 (0-0.5)	136 S1+	142 S1+		
880-37026-3	H-3 (0-0.5)	155 S1+	168 S1+		
880-37026-4	H-4 (0-0.5)	149 S1+	164 S1+		
880-37026-5	H-5 (0-0.5)	148 S1+	156 S1+		
880-37026-6	H-6 (0-0.5)	132 S1+	136 S1+		
880-37026-7	H-7 (0-0.5)	133 S1+	139 S1+		
880-37026-8	H-8 (0-0.5)	134 S1+	138 S1+		
880-37026-9	H-9 (0-0.5)	137 S1+	146 S1+		
880-37026-10	H-10 (0-0.5)	128	135 S1+		
880-37028-A-61-C MS	Matrix Spike	58 S1-	50 S1-		
880-37028-A-61-D MSD	Matrix Spike Duplicate	106	100		
LCS 880-69258/2-A	Lab Control Sample	102	114		
LCSD 880-69258/3-A	Lab Control Sample Dup	100	118		
MB 880-69258/1-A	Method Blank	102	115		
Surrogate Legend					
1CO = 1-Chlorooctane					
OTPH = o-Terphenyl					

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-69313/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 69426							Prep Batch: 69313		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 11:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 11:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/23 13:16	12/20/23 11:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 11:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/23 13:16	12/20/23 11:58	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				12/18/23 13:16	12/20/23 11:58	1
1,4-Difluorobenzene (Surr)	80		70 - 130				12/18/23 13:16	12/20/23 11:58	1

Lab Sample ID: LCS 880-69313/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 69426							Prep Batch: 69313		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1053		mg/Kg		105	70 - 130	
Toluene		0.100	0.1105		mg/Kg		111	70 - 130	
Ethylbenzene		0.100	0.1109		mg/Kg		111	70 - 130	
m-Xylene & p-Xylene		0.200	0.2090		mg/Kg		104	70 - 130	
o-Xylene		0.100	0.1190		mg/Kg		119	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	203	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	93		70 - 130						

Lab Sample ID: LCSD 880-69313/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 69426							Prep Batch: 69313			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1026		mg/Kg		103	70 - 130	3	35
Toluene		0.100	0.1123		mg/Kg		112	70 - 130	2	35
Ethylbenzene		0.100	0.1091		mg/Kg		109	70 - 130	2	35
m-Xylene & p-Xylene		0.200	0.2385		mg/Kg		119	70 - 130	13	35
o-Xylene		0.100	0.1240		mg/Kg		124	70 - 130	4	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	190	S1+	70 - 130							
1,4-Difluorobenzene (Surr)	79		70 - 130							

Lab Sample ID: 880-37026-1 MS							Client Sample ID: H-1 (0-0.5)		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 69426							Prep Batch: 69313		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F2	0.0990	0.1098		mg/Kg		111	70 - 130
Toluene	<0.00201	U	0.0990	0.1157		mg/Kg		117	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-37026-1 MS
Matrix: Solid
Analysis Batch: 69426

Client Sample ID: H-1 (0-0.5)
Prep Type: Total/NA
Prep Batch: 69313

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F2 F1	0.0990	0.1161		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	<0.00402	U F2	0.198	0.2205		mg/Kg		111	70 - 130
o-Xylene	<0.00201	U F2 F1	0.0990	0.1297	F1	mg/Kg		131	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	244	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130						

Lab Sample ID: 880-37026-1 MSD
Matrix: Solid
Analysis Batch: 69426

Client Sample ID: H-1 (0-0.5)
Prep Type: Total/NA
Prep Batch: 69313

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F2	0.0990	0.07435	F2	mg/Kg		75	70 - 130	38	35
Toluene	<0.00201	U	0.0990	0.08125		mg/Kg		82	70 - 130	35	35
Ethylbenzene	<0.00201	U F2 F1	0.0990	0.06586	F2 F1	mg/Kg		67	70 - 130	55	35
m-Xylene & p-Xylene	<0.00402	U F2	0.198	0.1381	F2	mg/Kg		70	70 - 130	46	35
o-Xylene	<0.00201	U F2 F1	0.0990	0.07859	F2	mg/Kg		79	70 - 130	49	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	184	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								

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

Lab Sample ID: MB 880-69258/1-A
Matrix: Solid
Analysis Batch: 69261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 69258

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 22:46	12/16/23 20:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/15/23 22:46	12/16/23 20:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:46	12/16/23 20:02	1
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 22:46	12/16/23 20:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	102		70 - 130						
o-Terphenyl	115		70 - 130						

Lab Sample ID: LCS 880-69258/2-A
Matrix: Solid
Analysis Batch: 69261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 69258

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1037		mg/Kg		104	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-69258/2-A

Matrix: Solid

Analysis Batch: 69261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 69258

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics (Over C10-C28)			1000	963.2		mg/Kg		96	70 - 130		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	114		70 - 130								

Lab Sample ID: LCSD 880-69258/3-A

Matrix: Solid

Analysis Batch: 69261

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 69258

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	993.8		mg/Kg		99	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	874.0		mg/Kg		87	70 - 130	10	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	118		70 - 130								

Lab Sample ID: 880-37028-A-61-C MS

Matrix: Solid

Analysis Batch: 69261

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 69258

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	1010	435.7	F1	mg/Kg		42	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	1010	444.4	F1	mg/Kg		40	70 - 130		

Lab Sample ID: 880-37028-A-61-D MSD

Matrix: Solid

Analysis Batch: 69261

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 69258

	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	<49.9	U F1 F2	1010	862.0	F2	mg/Kg		84	70 - 130	66	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	1010	885.6	F2	mg/Kg		84	70 - 130	66	20
				</							

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-69239/1-A

Matrix: Solid

Analysis Batch: 69309

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/18/23 16:16	1

Lab Sample ID: LCS 880-69239/2-A

Matrix: Solid

Analysis Batch: 69309

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.4		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-69239/3-A

Matrix: Solid

Analysis Batch: 69309

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	257.2		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 880-37026-9 MS

Matrix: Solid

Analysis Batch: 69309

Client Sample ID: H-9 (0-0.5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7.20		251	258.2		mg/Kg		100	90 - 110

Lab Sample ID: 880-37026-9 MSD

Matrix: Solid

Analysis Batch: 69309

Client Sample ID: H-9 (0-0.5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.20		251	252.9		mg/Kg		98	90 - 110	2	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

GC VOA

Prep Batch: 69313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37026-1	H-1 (0-0.5)	Total/NA	Solid	5035	
880-37026-2	H-2 (0-0.5)	Total/NA	Solid	5035	
880-37026-3	H-3 (0-0.5)	Total/NA	Solid	5035	
880-37026-4	H-4 (0-0.5)	Total/NA	Solid	5035	
880-37026-5	H-5 (0-0.5)	Total/NA	Solid	5035	
880-37026-6	H-6 (0-0.5)	Total/NA	Solid	5035	
880-37026-7	H-7 (0-0.5)	Total/NA	Solid	5035	
880-37026-8	H-8 (0-0.5)	Total/NA	Solid	5035	
880-37026-9	H-9 (0-0.5)	Total/NA	Solid	5035	
880-37026-10	H-10 (0-0.5)	Total/NA	Solid	5035	
MB 880-69313/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-69313/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-69313/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-37026-1 MS	H-1 (0-0.5)	Total/NA	Solid	5035	
880-37026-1 MSD	H-1 (0-0.5)	Total/NA	Solid	5035	

Analysis Batch: 69426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37026-1	H-1 (0-0.5)	Total/NA	Solid	8021B	69313
880-37026-2	H-2 (0-0.5)	Total/NA	Solid	8021B	69313
880-37026-3	H-3 (0-0.5)	Total/NA	Solid	8021B	69313
880-37026-4	H-4 (0-0.5)	Total/NA	Solid	8021B	69313
880-37026-5	H-5 (0-0.5)	Total/NA	Solid	8021B	69313
880-37026-6	H-6 (0-0.5)	Total/NA	Solid	8021B	69313
880-37026-7	H-7 (0-0.5)	Total/NA	Solid	8021B	69313
880-37026-8	H-8 (0-0.5)	Total/NA	Solid	8021B	69313
880-37026-9	H-9 (0-0.5)	Total/NA	Solid	8021B	69313
880-37026-10	H-10 (0-0.5)	Total/NA	Solid	8021B	69313
MB 880-69313/5-A	Method Blank	Total/NA	Solid	8021B	69313
LCS 880-69313/1-A	Lab Control Sample	Total/NA	Solid	8021B	69313
LCSD 880-69313/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	69313
880-37026-1 MS	H-1 (0-0.5)	Total/NA	Solid	8021B	69313
880-37026-1 MSD	H-1 (0-0.5)	Total/NA	Solid	8021B	69313

Analysis Batch: 69503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37026-1	H-1 (0-0.5)	Total/NA	Solid	Total BTEX	
880-37026-2	H-2 (0-0.5)	Total/NA	Solid	Total BTEX	
880-37026-3	H-3 (0-0.5)	Total/NA	Solid	Total BTEX	
880-37026-4	H-4 (0-0.5)	Total/NA	Solid	Total BTEX	
880-37026-5	H-5 (0-0.5)	Total/NA	Solid	Total BTEX	
880-37026-6	H-6 (0-0.5)	Total/NA	Solid	Total BTEX	
880-37026-7	H-7 (0-0.5)	Total/NA	Solid	Total BTEX	
880-37026-8	H-8 (0-0.5)	Total/NA	Solid	Total BTEX	
880-37026-9	H-9 (0-0.5)	Total/NA	Solid	Total BTEX	
880-37026-10	H-10 (0-0.5)	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

GC Semi VOA

Prep Batch: 69258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37026-1	H-1 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-37026-2	H-2 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-37026-3	H-3 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-37026-4	H-4 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-37026-5	H-5 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-37026-6	H-6 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-37026-7	H-7 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-37026-8	H-8 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-37026-9	H-9 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-37026-10	H-10 (0-0.5)	Total/NA	Solid	8015NM Prep	
MB 880-69258/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-69258/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-69258/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-37028-A-61-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-37028-A-61-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 69261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37026-1	H-1 (0-0.5)	Total/NA	Solid	8015B NM	69258
880-37026-2	H-2 (0-0.5)	Total/NA	Solid	8015B NM	69258
880-37026-3	H-3 (0-0.5)	Total/NA	Solid	8015B NM	69258
880-37026-4	H-4 (0-0.5)	Total/NA	Solid	8015B NM	69258
880-37026-5	H-5 (0-0.5)	Total/NA	Solid	8015B NM	69258
880-37026-6	H-6 (0-0.5)	Total/NA	Solid	8015B NM	69258
880-37026-7	H-7 (0-0.5)	Total/NA	Solid	8015B NM	69258
880-37026-8	H-8 (0-0.5)	Total/NA	Solid	8015B NM	69258
880-37026-9	H-9 (0-0.5)	Total/NA	Solid	8015B NM	69258
880-37026-10	H-10 (0-0.5)	Total/NA	Solid	8015B NM	69258
MB 880-69258/1-A	Method Blank	Total/NA	Solid	8015B NM	69258
LCS 880-69258/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	69258
LCSD 880-69258/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	69258
880-37028-A-61-C MS	Matrix Spike	Total/NA	Solid	8015B NM	69258
880-37028-A-61-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	69258

Analysis Batch: 69324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37026-1	H-1 (0-0.5)	Total/NA	Solid	8015 NM	
880-37026-2	H-2 (0-0.5)	Total/NA	Solid	8015 NM	
880-37026-3	H-3 (0-0.5)	Total/NA	Solid	8015 NM	
880-37026-4	H-4 (0-0.5)	Total/NA	Solid	8015 NM	
880-37026-5	H-5 (0-0.5)	Total/NA	Solid	8015 NM	
880-37026-6	H-6 (0-0.5)	Total/NA	Solid	8015 NM	
880-37026-7	H-7 (0-0.5)	Total/NA	Solid	8015 NM	
880-37026-8	H-8 (0-0.5)	Total/NA	Solid	8015 NM	
880-37026-9	H-9 (0-0.5)	Total/NA	Solid	8015 NM	
880-37026-10	H-10 (0-0.5)	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

HPLC/IC

Leach Batch: 69239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37026-1	H-1 (0-0.5)	Soluble	Solid	DI Leach	
880-37026-2	H-2 (0-0.5)	Soluble	Solid	DI Leach	
880-37026-3	H-3 (0-0.5)	Soluble	Solid	DI Leach	
880-37026-4	H-4 (0-0.5)	Soluble	Solid	DI Leach	
880-37026-5	H-5 (0-0.5)	Soluble	Solid	DI Leach	
880-37026-6	H-6 (0-0.5)	Soluble	Solid	DI Leach	
880-37026-7	H-7 (0-0.5)	Soluble	Solid	DI Leach	
880-37026-8	H-8 (0-0.5)	Soluble	Solid	DI Leach	
880-37026-9	H-9 (0-0.5)	Soluble	Solid	DI Leach	
880-37026-10	H-10 (0-0.5)	Soluble	Solid	DI Leach	
MB 880-69239/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-69239/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-69239/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-37026-9 MS	H-9 (0-0.5)	Soluble	Solid	DI Leach	
880-37026-9 MSD	H-9 (0-0.5)	Soluble	Solid	DI Leach	

Analysis Batch: 69309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37026-1	H-1 (0-0.5)	Soluble	Solid	300.0	69239
880-37026-2	H-2 (0-0.5)	Soluble	Solid	300.0	69239
880-37026-3	H-3 (0-0.5)	Soluble	Solid	300.0	69239
880-37026-4	H-4 (0-0.5)	Soluble	Solid	300.0	69239
880-37026-5	H-5 (0-0.5)	Soluble	Solid	300.0	69239
880-37026-6	H-6 (0-0.5)	Soluble	Solid	300.0	69239
880-37026-7	H-7 (0-0.5)	Soluble	Solid	300.0	69239
880-37026-8	H-8 (0-0.5)	Soluble	Solid	300.0	69239
880-37026-9	H-9 (0-0.5)	Soluble	Solid	300.0	69239
880-37026-10	H-10 (0-0.5)	Soluble	Solid	300.0	69239
MB 880-69239/1-A	Method Blank	Soluble	Solid	300.0	69239
LCS 880-69239/2-A	Lab Control Sample	Soluble	Solid	300.0	69239
LCSD 880-69239/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	69239
880-37026-9 MS	H-9 (0-0.5)	Soluble	Solid	300.0	69239
880-37026-9 MSD	H-9 (0-0.5)	Soluble	Solid	300.0	69239

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

Client Sample ID: H-1 (0-0.5)
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37026-1
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	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69503	12/20/23 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			69324	12/17/23 01:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/17/23 01:51	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	69239	12/15/23 15:28	SMC	EET MID
Soluble	Analysis	300.0		1			69309	12/18/23 16:50	CH	EET MID

Client Sample ID: H-2 (0-0.5)
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37026-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69503	12/20/23 12:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			69324	12/17/23 02:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/17/23 02:11	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	69239	12/15/23 15:28	SMC	EET MID
Soluble	Analysis	300.0		1			69309	12/18/23 16:55	CH	EET MID

Client Sample ID: H-3 (0-0.5)
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37026-3
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			5.01 g	5 mL	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69503	12/20/23 13:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			69324	12/17/23 02:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/17/23 02:32	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	69239	12/15/23 15:28	SMC	EET MID
Soluble	Analysis	300.0		1			69309	12/18/23 16:59	CH	EET MID

Client Sample ID: H-4 (0-0.5)
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37026-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 13:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69503	12/20/23 13:42	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

Client Sample ID: H-4 (0-0.5)
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37026-4
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			69324	12/17/23 02:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/17/23 02:53	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	69239	12/15/23 15:28	SMC	EET MID
Soluble	Analysis	300.0		1			69309	12/18/23 17:14	CH	EET MID

Client Sample ID: H-5 (0-0.5)
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37026-5
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	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 14:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69503	12/20/23 14:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			69324	12/17/23 03:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/17/23 03:14	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	69239	12/15/23 15:28	SMC	EET MID
Soluble	Analysis	300.0		1			69309	12/18/23 17:19	CH	EET MID

Client Sample ID: H-6 (0-0.5)
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37026-6
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	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 14:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69503	12/20/23 14:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			69324	12/17/23 03:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/17/23 03:34	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	69239	12/15/23 15:28	SMC	EET MID
Soluble	Analysis	300.0		1			69309	12/18/23 17:24	CH	EET MID

Client Sample ID: H-7 (0-0.5)
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37026-7
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	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 15:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69503	12/20/23 15:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			69324	12/17/23 03:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/17/23 03:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

Client Sample ID: H-7 (0-0.5)
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37026-7
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			5.03 g	50 mL	69239	12/15/23 15:28	SMC	EET MID
Soluble	Analysis	300.0		1			69309	12/18/23 17:28	CH	EET MID

Client Sample ID: H-8 (0-0.5)
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37026-8
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	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 16:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69503	12/20/23 16:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			69324	12/17/23 04:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/17/23 04:15	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	69239	12/15/23 15:28	SMC	EET MID
Soluble	Analysis	300.0		1			69309	12/18/23 17:33	CH	EET MID

Client Sample ID: H-9 (0-0.5)
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37026-9
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	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 18:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69503	12/20/23 18:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			69324	12/17/23 04:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/17/23 04:36	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	69239	12/15/23 15:28	SMC	EET MID
Soluble	Analysis	300.0		1			69309	12/18/23 17:38	CH	EET MID

Client Sample ID: H-10 (0-0.5)
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37026-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69503	12/20/23 18:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			69324	12/17/23 04:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/17/23 04:58	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	69239	12/15/23 15:28	SMC	EET MID
Soluble	Analysis	300.0		5			69309	12/18/23 17:53	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

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: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37026-1
SDG: Lea Co. NM

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

Job ID: 880-37026-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-37026-1	H-1 (0-0.5)	Solid	12/11/23 00:00	12/15/23 14:08
880-37026-2	H-2 (0-0.5)	Solid	12/11/23 00:00	12/15/23 14:08
880-37026-3	H-3 (0-0.5)	Solid	12/11/23 00:00	12/15/23 14:08
880-37026-4	H-4 (0-0.5)	Solid	12/11/23 00:00	12/15/23 14:08
880-37026-5	H-5 (0-0.5)	Solid	12/11/23 00:00	12/15/23 14:08
880-37026-6	H-6 (0-0.5)	Solid	12/11/23 00:00	12/15/23 14:08
880-37026-7	H-7 (0-0.5)	Solid	12/11/23 00:00	12/15/23 14:08
880-37026-8	H-8 (0-0.5)	Solid	12/11/23 00:00	12/15/23 14:08
880-37026-9	H-9 (0-0.5)	Solid	12/11/23 00:00	12/15/23 14:08
880-37026-10	H-10 (0-0.5)	Solid	12/11/23 00:00	12/15/23 14:08

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880-37026 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 ☐ RRC ☐ perfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other	

ANALYSIS REQUEST										Preservative Codes	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0		
H-1 (0-0.5)	12/11/2023		X		G	1		X	X		None: NO
H-2 (0-0.5)	12/11/2023		X		G	1		X	X		Cool Cool
H-3 (0-0.5)	12/11/2023		X		G	1		X	X		HCL, HC
H-4 (0-0.5)	12/11/2023		X		G	1		X	X		H ₂ SO ₄ , H ₂
H-5 (0-0.5)	12/11/2023		X		G	1		X	X		H ₃ PO ₄ , HP
H-6 (0-0.5)	12/11/2023		X		G	1		X	X		NaHSO ₄ , NABIS
H-7 (0-0.5)	12/11/2023		X		G	1		X	X		Na ₂ S ₂ O ₈ , NaSO ₃
H-8 (0-0.5)	12/11/2023		X		G	1		X	X		Zn Acetate+NaOH Zn
H-9 (0-0.5)	12/11/2023		X		G	1		X	X		NaOH+Ascorbic Acid SAPC
H-10 (0-0.5)	12/11/2023		X		G	1		X	X		

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/15/23		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-37026-1

SDG Number: Lea Co. NM

Login Number: 37026

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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 12/22/2023 2:39:06 PM

JOB DESCRIPTION

Paduca Main
Lea Co. NM

JOB NUMBER

880-37028-1

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
12/22/2023 2:39:06 PM

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

Client: Carmona Resources
Project/Site: Paduca Main

Laboratory Job ID: 880-37028-1
SDG: Lea Co. NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: Carmona Resources
Project: Paduca Main

Job ID: 880-37028-1

Job ID: 880-37028-1

Eurofins Midland

Job Narrative
880-37028-1

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

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

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

Receipt

The samples were received on 12/15/2023 2:08 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 -7.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1.0') (880-37028-1), T-1 (1.5') (880-37028-2), T-1 (2.0') (880-37028-3), T-2 (0-1.0') (880-37028-4), T-2 (1.5') (880-37028-5), T-2 (2') (880-37028-6), T-2 (3') (880-37028-7), T-2 (4') (880-37028-8), T-2 (5') (880-37028-9), T-2 (6') (880-37028-10), T-2 (7') (880-37028-11), T-2 (8') (880-37028-12), T-2 (9') (880-37028-13), T-2 (10') (880-37028-14), T-2 (12') (880-37028-15), T-2 (11') (880-37028-16), T-3 (0-1') (880-37028-17), T-3 (1.5') (880-37028-18), T-3 (2') (880-37028-19), T-3 (3') (880-37028-20), T-3 (4') (880-37028-21), T-3 (5') (880-37028-22), T-3 (6') (880-37028-23), T-3 (7') (880-37028-24), T-4 (0-1.0') (880-37028-25), T-4 (1.5') (880-37028-26), T-4 (2') (880-37028-27), T-4 (3') (880-37028-28), T-4 (4') (880-37028-29), T-4 (5') (880-37028-30), T-4 (6') (880-37028-31), T-4 (7') (880-37028-32), T-4 (8') (880-37028-33), T-4 (9') (880-37028-34), T-4 (10') (880-37028-35), T-4 (11') (880-37028-36), T-4 (12') (880-37028-37), T-5 (0-1.0') (880-37028-38), T-5 (1.5') (880-37028-39), T-5 (2') (880-37028-40), T-5 (3') (880-37028-41), T-5 (4') (880-37028-42), T-5 (5') (880-37028-43), T-5 (6') (880-37028-44), T-5 (7') (880-37028-45), T-5 (8') (880-37028-46), T-5 (9') (880-37028-47), T-5 (10') (880-37028-48), T-5 (11') (880-37028-49), T-6 (0-1.0') (880-37028-50), T-6 (1.5') (880-37028-51), T-6 (2') (880-37028-52), T-6 (3') (880-37028-53), T-6 (4') (880-37028-54), T-6 (5') (880-37028-55), T-6 (6') (880-37028-56), T-7 (0-1.0') (880-37028-57), T-7 (1.5') (880-37028-58), T-7 (2') (880-37028-59), T-7 (3') (880-37028-60), T-7 (4') (880-37028-61), T-8 (0-1.0') (880-37028-62), T-8 (1.5') (880-37028-63), T-8 (2') (880-37028-64), T-8 (3') (880-37028-65), T-8 (4') (880-37028-66), T-8 (5') (880-37028-67) and T-8 (6') (880-37028-68).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-69271/16), (CCV 880-69271/2), (CCV 880-69271/47), (LCS 880-69291/1-A) and (LCSD 880-69291/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (0-1.0') (880-37028-1), T-1 (1.5') (880-37028-2), T-1 (2.0') (880-37028-3), T-2 (0-1.0') (880-37028-4), T-2 (1.5') (880-37028-5), T-2 (3') (880-37028-7), T-2 (4') (880-37028-8), T-2 (5') (880-37028-9), T-2 (6') (880-37028-10), T-2 (7') (880-37028-11), T-2 (8') (880-37028-12), T-2 (9') (880-37028-13), T-2 (10') (880-37028-14), T-2 (12') (880-37028-15), T-2 (11') (880-37028-16), T-3 (0-1') (880-37028-17), T-3 (1.5') (880-37028-18), T-3 (2') (880-37028-19), T-3 (3') (880-37028-20), (880-37028-A-1-E MS) and (880-37028-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-69291 and analytical batch 880-69271 was outside control limits. Sample non-homogeneity is suspected.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-3 (4') (880-37028-21), T-3 (5') (880-37028-22), T-3 (6') (880-37028-23), T-3 (7') (880-37028-24), T-4 (0-1.0') (880-37028-25), T-4 (1.5') (880-37028-26), T-4 (2') (880-37028-27), T-4 (3') (880-37028-28), T-4 (4') (880-37028-29), T-4 (5') (880-37028-30), T-4 (6') (880-37028-31), T-4 (7') (880-37028-32), T-4 (8') (880-37028-33), T-4 (9') (880-37028-34), T-4 (10') (880-37028-35), T-4 (11') (880-37028-36), T-7 (4') (880-37028-61), T-8 (0-1.0') (880-37028-62), T-8 (1.5') (880-37028-63), T-8 (2') (880-37028-64), T-8 (3') (880-37028-65), T-8 (4') (880-37028-66), T-8 (5') (880-37028-67), T-8 (6') (880-37028-68), (CCV 880-69426/33), (CCV 880-69426/51), (LCS 880-69292/1-A) and (LCSD 880-69292/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-69292 and analytical

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Paduca Main

Job ID: 880-37028-1

Job ID: 880-37028-1 (Continued)

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batch 880-69426 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-69426/2), (CCV 880-69426/20), (LCS 880-69313/1-A) and (LCSD 880-69313/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-4 (12') (880-37028-37), T-5 (0-1.0') (880-37028-38), T-5 (1.5') (880-37028-39) and T-5 (2') (880-37028-40). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-69312/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-5 (8') (880-37028-46), T-5 (10') (880-37028-48), T-6 (4') (880-37028-54), T-7 (0-1.0') (880-37028-57), T-7 (3') (880-37028-60) and (880-37028-A-41-E MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-69253 and 880-69255 and analytical batch 880-69259 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-1 (0-1.0') (880-37028-1), T-1 (1.5') (880-37028-2), T-1 (2.0') (880-37028-3), T-2 (0-1.0') (880-37028-4), T-2 (1.5') (880-37028-5), T-2 (2') (880-37028-6), T-2 (3') (880-37028-7), T-2 (4') (880-37028-8), T-2 (5') (880-37028-9), T-2 (6') (880-37028-10), T-2 (7') (880-37028-11), T-2 (8') (880-37028-12), T-2 (9') (880-37028-13), T-2 (10') (880-37028-14), T-2 (12') (880-37028-15), T-2 (11') (880-37028-16), T-3 (0-1') (880-37028-17), T-3 (1.5') (880-37028-18), T-3 (2') (880-37028-19), T-3 (3') (880-37028-20), T-3 (4') (880-37028-21), T-3 (5') (880-37028-22), T-3 (6') (880-37028-23), T-3 (7') (880-37028-24), T-4 (0-1.0') (880-37028-25), T-4 (1.5') (880-37028-26), T-4 (2') (880-37028-27), T-4 (3') (880-37028-28), T-4 (4') (880-37028-29), T-4 (5') (880-37028-30), T-4 (6') (880-37028-31), T-4 (7') (880-37028-32), T-4 (8') (880-37028-33), T-4 (9') (880-37028-34), T-4 (10') (880-37028-35), T-4 (11') (880-37028-36), T-4 (12') (880-37028-37), T-5 (0-1.0') (880-37028-38), T-5 (1.5') (880-37028-39), T-5 (2') (880-37028-40), (880-37028-A-2-B MS), (880-37028-A-2-C MSD), (880-37028-A-21-C MS) and (880-37028-A-21-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-69255 and analytical batch 880-69259 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-69255 and analytical batch 880-69259 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-69253 and analytical batch 880-69259 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 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-69256 and analytical batch 880-69261 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-5 (3') (880-37028-41), T-5 (5') (880-37028-43), T-5 (6') (880-37028-44), T-5 (7') (880-37028-45), T-5 (8') (880-37028-46), T-5 (10') (880-37028-48), T-6 (4') (880-37028-54), T-6 (5') (880-37028-55), T-7 (2') (880-37028-59), T-8 (0-1.0') (880-37028-62), T-8 (1.5') (880-37028-63), T-8 (2') (880-37028-64), T-8 (3') (880-37028-65), T-8 (4') (880-37028-66), T-8 (5') (880-37028-67), T-8 (6') (880-37028-68) and (880-37028-A-61-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-69256/3-A). Evidence of matrix interferences is not obvious.

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Case Narrative

Client: Carmona Resources
Project: Paduca Main

Job ID: 880-37028-1

Job ID: 880-37028-1 (Continued)**Eurofins Midland**

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-69256 and analytical batch 880-69261 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-69258 and analytical batch 880-69261 were below control limits due to an incorrect spike amount added. The associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-69258 and analytical batch 880-69261 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample 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.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-69243 and 880-69243 and analytical batch 880-69319 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: The continuing calibration blank (CCB) for analytical batch 880-69318 contained Chloride above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

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: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-1 (0-1.0')

Lab Sample ID: 880-37028-1

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/18/23 18:49	1
Toluene	<0.00199	U F2	0.00199		mg/Kg		12/18/23 09:52	12/18/23 18:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/18/23 18:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 09:52	12/18/23 18:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/18/23 18:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 09:52	12/18/23 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	12/18/23 09:52	12/18/23 18:49	1
1,4-Difluorobenzene (Surr)	85		70 - 130	12/18/23 09:52	12/18/23 18:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/18/23 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	205		49.8		mg/Kg			12/17/23 03:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/15/23 17:22	12/17/23 03:34	1
Diesel Range Organics (Over C10-C28)	205		49.8		mg/Kg		12/15/23 17:22	12/17/23 03:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/15/23 17:22	12/17/23 03:34	1
Total TPH	205		49.8		mg/Kg		12/15/23 17:22	12/17/23 03:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	192	S1+	70 - 130	12/15/23 17:22	12/17/23 03:34	1
o-Terphenyl	150	S1+	70 - 130	12/15/23 17:22	12/17/23 03:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10800		101		mg/Kg			12/18/23 23:56	20

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-37028-2

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 19:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 09:52	12/18/23 19:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 19:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 09:52	12/18/23 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	192	S1+	70 - 130	12/18/23 09:52	12/18/23 19:16	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/18/23 09:52	12/18/23 19:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-37028-2

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/18/23 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/16/23 21:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U F2	50.5		mg/Kg		12/15/23 17:22	12/16/23 21:12	1
Diesel Range Organics (Over C10-C28)	<50.5	U F1 F2	50.5		mg/Kg		12/15/23 17:22	12/16/23 21:12	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/15/23 17:22	12/16/23 21:12	1
Total TPH	<50.5	U	50.5		mg/Kg		12/15/23 17:22	12/16/23 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130	12/15/23 17:22	12/16/23 21:12	1
o-Terphenyl	113		70 - 130	12/15/23 17:22	12/16/23 21:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	830		5.01		mg/Kg			12/19/23 00:01	1

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-37028-3

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/18/23 19:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/18/23 19:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/18/23 19:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/23 09:52	12/18/23 19:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/18/23 19:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/23 09:52	12/18/23 19:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130	12/18/23 09:52	12/18/23 19:42	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/18/23 09:52	12/18/23 19:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/18/23 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/23 22:19	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	<49.9	U	49.9		mg/Kg		12/15/23 17:22	12/16/23 22:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-37028-3

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/15/23 17:22	12/16/23 22:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/15/23 17:22	12/16/23 22:19	1
Total TPH	<49.9	U	49.9		mg/Kg		12/15/23 17:22	12/16/23 22:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	175	S1+	70 - 130				12/15/23 17:22	12/16/23 22:19	1
o-Terphenyl	135	S1+	70 - 130				12/15/23 17:22	12/16/23 22:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	245		5.02		mg/Kg			12/19/23 00:06	1

Client Sample ID: T-2 (0-1.0')

Lab Sample ID: 880-37028-4

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 20:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 20:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 20:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/18/23 09:52	12/18/23 20:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 20:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/18/23 09:52	12/18/23 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130				12/18/23 09:52	12/18/23 20:08	1
1,4-Difluorobenzene (Surr)	78		70 - 130				12/18/23 09:52	12/18/23 20:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/18/23 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	158		49.7		mg/Kg			12/17/23 04:15	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		12/15/23 17:22	12/17/23 04:15	1
Diesel Range Organics (Over C10-C28)	158		49.7		mg/Kg		12/15/23 17:22	12/17/23 04:15	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/15/23 17:22	12/17/23 04:15	1
Total TPH	158		49.7		mg/Kg		12/15/23 17:22	12/17/23 04:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	178	S1+	70 - 130				12/15/23 17:22	12/17/23 04:15	1
o-Terphenyl	143	S1+	70 - 130				12/15/23 17:22	12/17/23 04:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (0-1.0')

Lab Sample ID: 880-37028-4

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12300		99.8		mg/Kg			12/19/23 00:11	20

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-37028-5

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/18/23 20:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/18/23 20:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/18/23 20:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 09:52	12/18/23 20:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/18/23 20:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 09:52	12/18/23 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130	12/18/23 09:52	12/18/23 20:35	1
1,4-Difluorobenzene (Surr)	72		70 - 130	12/18/23 09:52	12/18/23 20:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/18/23 20:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/23 22:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 17:22	12/16/23 22:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/15/23 17:22	12/16/23 22:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 17:22	12/16/23 22:41	1
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 17:22	12/16/23 22:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	183	S1+	70 - 130	12/15/23 17:22	12/16/23 22:41	1
o-Terphenyl	150	S1+	70 - 130	12/15/23 17:22	12/16/23 22:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2250		24.9		mg/Kg			12/19/23 00:16	5

Client Sample ID: T-2 (2')

Lab Sample ID: 880-37028-6

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/18/23 09:52	12/18/23 21:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/18/23 09:52	12/18/23 21:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (2')

Lab Sample ID: 880-37028-6

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/18/23 09:52	12/18/23 21:01	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/18/23 09:52	12/18/23 21:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/18/23 09:52	12/18/23 21:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/18/23 09:52	12/18/23 21:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				12/18/23 09:52	12/18/23 21:01	1
1,4-Difluorobenzene (Surr)	77		70 - 130				12/18/23 09:52	12/18/23 21:01	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			12/18/23 21:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/16/23 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/15/23 17:22	12/16/23 23:02	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/15/23 17:22	12/16/23 23:02	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/15/23 17:22	12/16/23 23:02	1
Total TPH	<50.3	U	50.3		mg/Kg		12/15/23 17:22	12/16/23 23:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	186	S1+	70 - 130				12/15/23 17:22	12/16/23 23:02	1
o-Terphenyl	145	S1+	70 - 130				12/15/23 17:22	12/16/23 23:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	673		4.97		mg/Kg			12/19/23 00:21	1

Client Sample ID: T-2 (3')

Lab Sample ID: 880-37028-7

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/18/23 21:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/18/23 21:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/18/23 21:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 09:52	12/18/23 21:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/18/23 21:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 09:52	12/18/23 21:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130				12/18/23 09:52	12/18/23 21:28	1
1,4-Difluorobenzene (Surr)	80		70 - 130				12/18/23 09:52	12/18/23 21:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (3')

Lab Sample ID: 880-37028-7

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/18/23 21:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/16/23 23:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/15/23 17:22	12/16/23 23:23	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/15/23 17:22	12/16/23 23:23	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/15/23 17:22	12/16/23 23:23	1
Total TPH	<50.1	U	50.1		mg/Kg		12/15/23 17:22	12/16/23 23:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	167	S1+	70 - 130	12/15/23 17:22	12/16/23 23:23	1
o-Terphenyl	131	S1+	70 - 130	12/15/23 17:22	12/16/23 23:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	823		4.99		mg/Kg			12/19/23 01:19	1

Client Sample ID: T-2 (4')

Lab Sample ID: 880-37028-8

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 21:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 21:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 21:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 09:52	12/18/23 21:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 21:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 09:52	12/18/23 21:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	184	S1+	70 - 130	12/18/23 09:52	12/18/23 21:54	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/18/23 09:52	12/18/23 21:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/18/23 21:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/16/23 23:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/15/23 17:22	12/16/23 23:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (4')

Lab Sample ID: 880-37028-8

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/15/23 17:22	12/16/23 23:44	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/15/23 17:22	12/16/23 23:44	1
Total TPH	<50.2	U	50.2		mg/Kg		12/15/23 17:22	12/16/23 23:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	206	S1+	70 - 130				12/15/23 17:22	12/16/23 23:44	1
o-Terphenyl	173	S1+	70 - 130				12/15/23 17:22	12/16/23 23:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1850	F1	25.3		mg/Kg			12/19/23 00:59	5

Client Sample ID: T-2 (5')

Lab Sample ID: 880-37028-9

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/18/23 22:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/18/23 22:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/18/23 22:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/23 09:52	12/18/23 22:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/18/23 22:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/23 09:52	12/18/23 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	186	S1+	70 - 130				12/18/23 09:52	12/18/23 22:21	1
1,4-Difluorobenzene (Surr)	89		70 - 130				12/18/23 09:52	12/18/23 22:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/18/23 22:21	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			12/17/23 00:06	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	<49.7	U	49.7		mg/Kg		12/15/23 17:22	12/17/23 00:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/15/23 17:22	12/17/23 00:06	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/15/23 17:22	12/17/23 00:06	1
Total TPH	<49.7	U	49.7		mg/Kg		12/15/23 17:22	12/17/23 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	175	S1+	70 - 130				12/15/23 17:22	12/17/23 00:06	1
o-Terphenyl	146	S1+	70 - 130				12/15/23 17:22	12/17/23 00:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (5')

Lab Sample ID: 880-37028-9

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3750		25.2		mg/Kg			12/19/23 01:14	5

Client Sample ID: T-2 (6')

Lab Sample ID: 880-37028-10

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 22:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 22:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 22:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/18/23 09:52	12/18/23 22:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 22:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/18/23 09:52	12/18/23 22:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	12/18/23 09:52	12/18/23 22:47	1
1,4-Difluorobenzene (Surr)	73		70 - 130	12/18/23 09:52	12/18/23 22:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/18/23 22:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/17/23 00:26	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	<49.9	U	49.9		mg/Kg		12/15/23 17:22	12/17/23 00:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/15/23 17:22	12/17/23 00:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/15/23 17:22	12/17/23 00:26	1
Total TPH	<49.9	U	49.9		mg/Kg		12/15/23 17:22	12/17/23 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	200	S1+	70 - 130	12/15/23 17:22	12/17/23 00:26	1
o-Terphenyl	167	S1+	70 - 130	12/15/23 17:22	12/17/23 00:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3260		24.9		mg/Kg			12/19/23 01:23	5

Client Sample ID: T-2 (7')

Lab Sample ID: 880-37028-11

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 09:52	12/19/23 00:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:52	12/19/23 00:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (7')

Lab Sample ID: 880-37028-11

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:52	12/19/23 00:32	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/18/23 09:52	12/19/23 00:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:52	12/19/23 00:32	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/18/23 09:52	12/19/23 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130				12/18/23 09:52	12/19/23 00:32	1
1,4-Difluorobenzene (Surr)	83		70 - 130				12/18/23 09:52	12/19/23 00:32	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			12/19/23 00:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/17/23 00:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 17:22	12/17/23 00:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/15/23 17:22	12/17/23 00:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 17:22	12/17/23 00:48	1
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 17:22	12/17/23 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	171	S1+	70 - 130				12/15/23 17:22	12/17/23 00:48	1
o-Terphenyl	141	S1+	70 - 130				12/15/23 17:22	12/17/23 00:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3380		24.9		mg/Kg			12/19/23 01:28	5

Client Sample ID: T-2 (8')

Lab Sample ID: 880-37028-12

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/19/23 00:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/19/23 00:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/19/23 00:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 09:52	12/19/23 00:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/19/23 00:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 09:52	12/19/23 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	172	S1+	70 - 130				12/18/23 09:52	12/19/23 00:58	1
1,4-Difluorobenzene (Surr)	87		70 - 130				12/18/23 09:52	12/19/23 00:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (8')

Lab Sample ID: 880-37028-12

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/23 00:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/17/23 04:36	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	<50.3	U	50.3		mg/Kg		12/15/23 17:22	12/17/23 04:36	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/15/23 17:22	12/17/23 04:36	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/15/23 17:22	12/17/23 04:36	1
Total TPH	<50.3	U	50.3		mg/Kg		12/15/23 17:22	12/17/23 04:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	221	S1+	70 - 130	12/15/23 17:22	12/17/23 04:36	1
o-Terphenyl	183	S1+	70 - 130	12/15/23 17:22	12/17/23 04:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2330		24.8		mg/Kg			12/19/23 01:43	5

Client Sample ID: T-2 (9')

Lab Sample ID: 880-37028-13

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/19/23 01:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/19/23 01:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/19/23 01:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 09:52	12/19/23 01:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/19/23 01:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 09:52	12/19/23 01:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	207	S1+	70 - 130	12/18/23 09:52	12/19/23 01:24	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/18/23 09:52	12/19/23 01:24	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			12/19/23 01:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/17/23 01:09	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	<50.4	U	50.4		mg/Kg		12/15/23 17:22	12/17/23 01:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (9')

Lab Sample ID: 880-37028-13

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/15/23 17:22	12/17/23 01:09	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/15/23 17:22	12/17/23 01:09	1
Total TPH	<50.4	U	50.4		mg/Kg		12/15/23 17:22	12/17/23 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	169	S1+	70 - 130				12/15/23 17:22	12/17/23 01:09	1
o-Terphenyl	146	S1+	70 - 130				12/15/23 17:22	12/17/23 01:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2500		25.1		mg/Kg			12/19/23 01:48	5

Client Sample ID: T-2 (10')

Lab Sample ID: 880-37028-14

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/19/23 01:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/19/23 01:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/19/23 01:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 09:52	12/19/23 01:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/19/23 01:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 09:52	12/19/23 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	190	S1+	70 - 130				12/18/23 09:52	12/19/23 01:51	1
1,4-Difluorobenzene (Surr)	84		70 - 130				12/18/23 09:52	12/19/23 01:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/19/23 01:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/17/23 01:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		12/15/23 17:22	12/17/23 01:51	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		12/15/23 17:22	12/17/23 01:51	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/15/23 17:22	12/17/23 01:51	1
Total TPH	<50.5	U	50.5		mg/Kg		12/15/23 17:22	12/17/23 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	185	S1+	70 - 130				12/15/23 17:22	12/17/23 01:51	1
o-Terphenyl	147	S1+	70 - 130				12/15/23 17:22	12/17/23 01:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (10')

Lab Sample ID: 880-37028-14

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2530		25.2		mg/Kg			12/19/23 01:53	5

Client Sample ID: T-2 (12')

Lab Sample ID: 880-37028-15

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/19/23 02:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/19/23 02:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/19/23 02:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/23 09:52	12/19/23 02:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/19/23 02:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/23 09:52	12/19/23 02:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	244	S1+	70 - 130	12/18/23 09:52	12/19/23 02:17	1
1,4-Difluorobenzene (Surr)	120		70 - 130	12/18/23 09:52	12/19/23 02:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/19/23 02:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/17/23 02:11	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		12/15/23 17:22	12/17/23 02:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/15/23 17:22	12/17/23 02:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/15/23 17:22	12/17/23 02:11	1
Total TPH	<49.8	U	49.8		mg/Kg		12/15/23 17:22	12/17/23 02:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130	12/15/23 17:22	12/17/23 02:11	1
o-Terphenyl	121		70 - 130	12/15/23 17:22	12/17/23 02:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.6		5.03		mg/Kg			12/19/23 01:57	1

Client Sample ID: T-2 (11')

Lab Sample ID: 880-37028-16

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/19/23 02:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/19/23 02:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (11')

Lab Sample ID: 880-37028-16

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 09:52	12/19/23 02:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/18/23 09:52	12/19/23 02:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/19/23 02:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/18/23 09:52	12/19/23 02:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	235	S1+	70 - 130				12/18/23 09:52	12/19/23 02:44	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/18/23 09:52	12/19/23 02:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/19/23 02:44	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			12/17/23 02:32	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		12/15/23 17:22	12/17/23 02:32	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/15/23 17:22	12/17/23 02:32	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/15/23 17:22	12/17/23 02:32	1
Total TPH	<49.7	U	49.7		mg/Kg		12/15/23 17:22	12/17/23 02:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	189	S1+	70 - 130				12/15/23 17:22	12/17/23 02:32	1
o-Terphenyl	162	S1+	70 - 130				12/15/23 17:22	12/17/23 02:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2280		25.0		mg/Kg			12/19/23 02:02	5

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

Lab Sample ID: 880-37028-17

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/18/23 09:52	12/19/23 03:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/18/23 09:52	12/19/23 03:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/18/23 09:52	12/19/23 03:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/18/23 09:52	12/19/23 03:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/18/23 09:52	12/19/23 03:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/18/23 09:52	12/19/23 03:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	244	S1+	70 - 130				12/18/23 09:52	12/19/23 03:10	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/18/23 09:52	12/19/23 03:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-37028-17

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/19/23 03:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/17/23 03:55	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	<49.6	U	49.6		mg/Kg		12/15/23 17:22	12/17/23 03:55	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/15/23 17:22	12/17/23 03:55	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/15/23 17:22	12/17/23 03:55	1
Total TPH	<49.6	U	49.6		mg/Kg		12/15/23 17:22	12/17/23 03:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	167	S1+	70 - 130	12/15/23 17:22	12/17/23 03:55	1
o-Terphenyl	133	S1+	70 - 130	12/15/23 17:22	12/17/23 03:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4400	F1	49.5		mg/Kg			12/19/23 02:07	10

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-37028-18

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/19/23 03:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/19/23 03:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/19/23 03:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 09:52	12/19/23 03:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:52	12/19/23 03:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 09:52	12/19/23 03:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	186	S1+	70 - 130	12/18/23 09:52	12/19/23 03:36	1
1,4-Difluorobenzene (Surr)	83		70 - 130	12/18/23 09:52	12/19/23 03:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/23 03:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/17/23 02:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/15/23 17:22	12/17/23 02:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-37028-18

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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)	<50.3	U	50.3		mg/Kg		12/15/23 17:22	12/17/23 02:53	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/15/23 17:22	12/17/23 02:53	1
Total TPH	<50.3	U	50.3		mg/Kg		12/15/23 17:22	12/17/23 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	185	S1+	70 - 130				12/15/23 17:22	12/17/23 02:53	1
o-Terphenyl	142	S1+	70 - 130				12/15/23 17:22	12/17/23 02:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1450		25.2		mg/Kg			12/19/23 02:22	5

Client Sample ID: T-3 (2')

Lab Sample ID: 880-37028-19

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/19/23 04:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/19/23 04:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/19/23 04:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 09:52	12/19/23 04:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/19/23 04:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 09:52	12/19/23 04:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	230	S1+	70 - 130				12/18/23 09:52	12/19/23 04:02	1
1,4-Difluorobenzene (Surr)	83		70 - 130				12/18/23 09:52	12/19/23 04:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/19/23 04:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/17/23 04:58	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	<50.5	U	50.5		mg/Kg		12/15/23 17:22	12/17/23 04:58	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		12/15/23 17:22	12/17/23 04:58	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/15/23 17:22	12/17/23 04:58	1
Total TPH	<50.5	U	50.5		mg/Kg		12/15/23 17:22	12/17/23 04:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	171	S1+	70 - 130				12/15/23 17:22	12/17/23 04:58	1
o-Terphenyl	127		70 - 130				12/15/23 17:22	12/17/23 04:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-3 (2')

Lab Sample ID: 880-37028-19

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1940		25.3		mg/Kg			12/19/23 02:26	5

Client Sample ID: T-3 (3')

Lab Sample ID: 880-37028-20

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/19/23 04:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/19/23 04:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/19/23 04:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/23 09:52	12/19/23 04:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:52	12/19/23 04:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/23 09:52	12/19/23 04:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	198	S1+	70 - 130	12/18/23 09:52	12/19/23 04:28	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/18/23 09:52	12/19/23 04:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/19/23 04:28	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			12/17/23 03:14	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	<49.6	U	49.6		mg/Kg		12/15/23 17:22	12/17/23 03:14	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/15/23 17:22	12/17/23 03:14	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/15/23 17:22	12/17/23 03:14	1
Total TPH	<49.6	U	49.6		mg/Kg		12/15/23 17:22	12/17/23 03:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	168	S1+	70 - 130	12/15/23 17:22	12/17/23 03:14	1
o-Terphenyl	139	S1+	70 - 130	12/15/23 17:22	12/17/23 03:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4060		50.0		mg/Kg			12/19/23 02:41	10

Client Sample ID: T-3 (4')

Lab Sample ID: 880-37028-21

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 01:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 01:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-3 (4')

Lab Sample ID: 880-37028-21

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 09:58	12/21/23 01:41	1
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.00401		mg/Kg		12/18/23 09:58	12/21/23 01:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 01:41	1
Xylenes, Total	<0.00401	U F2 F1	0.00401		mg/Kg		12/18/23 09:58	12/21/23 01:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	168	S1+	70 - 130				12/18/23 09:58	12/21/23 01:41	1
1,4-Difluorobenzene (Surr)	72		70 - 130				12/18/23 09:58	12/21/23 01:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/21/23 01:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/16/23 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/15/23 22:26	12/16/23 11:02	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1 F1	50.1		mg/Kg		12/15/23 22:26	12/16/23 11:02	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/15/23 22:26	12/16/23 11:02	1
Total TPH	<50.1	U F1	50.1		mg/Kg		12/15/23 22:26	12/16/23 11:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	197	S1+	70 - 130				12/15/23 22:26	12/16/23 11:02	1
o-Terphenyl	158	S1+	70 - 130				12/15/23 22:26	12/16/23 11:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1550		25.0		mg/Kg			12/19/23 02:46	5

Client Sample ID: T-3 (5')

Lab Sample ID: 880-37028-22

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 02:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 02:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 02:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 09:58	12/21/23 02:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 02:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 09:58	12/21/23 02:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	226	S1+	70 - 130				12/18/23 09:58	12/21/23 02:06	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/18/23 09:58	12/21/23 02:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-3 (5')

Lab Sample ID: 880-37028-22

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/21/23 02:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/23 12:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/15/23 22:26	12/16/23 12:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		12/15/23 22:26	12/16/23 12:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/15/23 22:26	12/16/23 12:07	1
Total TPH	<49.9	U	49.9		mg/Kg		12/15/23 22:26	12/16/23 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	181	S1+	70 - 130	12/15/23 22:26	12/16/23 12:07	1
o-Terphenyl	149	S1+	70 - 130	12/15/23 22:26	12/16/23 12:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1120		5.01		mg/Kg			12/19/23 02:51	1

Client Sample ID: T-3 (6')

Lab Sample ID: 880-37028-23

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 09:58	12/21/23 02:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:58	12/21/23 02:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:58	12/21/23 02:32	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/18/23 09:58	12/21/23 02:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:58	12/21/23 02:32	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/18/23 09:58	12/21/23 02:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	266	S1+	70 - 130	12/18/23 09:58	12/21/23 02:32	1
1,4-Difluorobenzene (Surr)	89		70 - 130	12/18/23 09:58	12/21/23 02:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/21/23 02:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/23 12:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 12:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-3 (6')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-23
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		12/15/23 22:26	12/16/23 12:29	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 12:29	1	
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 12:29	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	168	S1+	70 - 130				12/15/23 22:26	12/16/23 12:29	1	
o-Terphenyl	141	S1+	70 - 130				12/15/23 22:26	12/16/23 12:29	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1210		5.02		mg/Kg			12/19/23 02:55	1	

Client Sample ID: T-3 (7')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-24
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		12/18/23 09:58	12/21/23 02:58	1	
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 02:58	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 02:58	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 02:58	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 02:58	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 02:58	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	238	S1+	70 - 130				12/18/23 09:58	12/21/23 02:58	1	
1,4-Difluorobenzene (Surr)	96		70 - 130				12/18/23 09:58	12/21/23 02:58	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/23 02:58	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.6	U	49.6		mg/Kg			12/16/23 12:50	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	<49.6	U	49.6		mg/Kg		12/15/23 22:26	12/16/23 12:50	1	
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6		mg/Kg		12/15/23 22:26	12/16/23 12:50	1	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/15/23 22:26	12/16/23 12:50	1	
Total TPH	<49.6	U	49.6		mg/Kg		12/15/23 22:26	12/16/23 12:50	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	146	S1+	70 - 130				12/15/23 22:26	12/16/23 12:50	1	
o-Terphenyl	130		70 - 130				12/15/23 22:26	12/16/23 12:50	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-3 (7')

Lab Sample ID: 880-37028-24

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		4.98		mg/Kg			12/19/23 03:00	1

Client Sample ID: T-4 (0-1.0')

Lab Sample ID: 880-37028-25

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/18/23 09:58	12/21/23 03:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/18/23 09:58	12/21/23 03:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/18/23 09:58	12/21/23 03:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/18/23 09:58	12/21/23 03:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/18/23 09:58	12/21/23 03:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/18/23 09:58	12/21/23 03:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	202	S1+	70 - 130	12/18/23 09:58	12/21/23 03:23	1
1,4-Difluorobenzene (Surr)	81		70 - 130	12/18/23 09:58	12/21/23 03:23	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			12/21/23 03:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2420		49.5		mg/Kg			12/16/23 18:07	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	<49.5	U	49.5		mg/Kg		12/15/23 22:26	12/16/23 18:07	1
Diesel Range Organics (Over C10-C28)	2420	*1	49.5		mg/Kg		12/15/23 22:26	12/16/23 18:07	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		12/15/23 22:26	12/16/23 18:07	1
Total TPH	2420		49.5		mg/Kg		12/15/23 22:26	12/16/23 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130	12/15/23 22:26	12/16/23 18:07	1
o-Terphenyl	116		70 - 130	12/15/23 22:26	12/16/23 18:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4060		49.6		mg/Kg			12/19/23 03:05	10

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-37028-26

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 03:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 03:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-37028-26

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 09:58	12/21/23 03:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 09:58	12/21/23 03:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 03:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 09:58	12/21/23 03:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130				12/18/23 09:58	12/21/23 03:49	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/18/23 09:58	12/21/23 03:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/21/23 03:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	140		50.2		mg/Kg			12/16/23 19:16	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	<50.2	U	50.2		mg/Kg		12/15/23 22:26	12/16/23 19:16	1
Diesel Range Organics (Over C10-C28)	140	*1	50.2		mg/Kg		12/15/23 22:26	12/16/23 19:16	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/15/23 22:26	12/16/23 19:16	1
Total TPH	140		50.2		mg/Kg		12/15/23 22:26	12/16/23 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				12/15/23 22:26	12/16/23 19:16	1
o-Terphenyl	115		70 - 130				12/15/23 22:26	12/16/23 19:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		25.2		mg/Kg			12/19/23 03:10	5

Client Sample ID: T-4 (2')

Lab Sample ID: 880-37028-27

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:58	12/21/23 04:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:58	12/21/23 04:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:58	12/21/23 04:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/23 09:58	12/21/23 04:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:58	12/21/23 04:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/23 09:58	12/21/23 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	189	S1+	70 - 130				12/18/23 09:58	12/21/23 04:14	1
1,4-Difluorobenzene (Surr)	74		70 - 130				12/18/23 09:58	12/21/23 04:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (2')

Lab Sample ID: 880-37028-27

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/21/23 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/16/23 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/15/23 22:26	12/16/23 13:11	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		12/15/23 22:26	12/16/23 13:11	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/15/23 22:26	12/16/23 13:11	1
Total TPH	<50.1	U	50.1		mg/Kg		12/15/23 22:26	12/16/23 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	175	S1+	70 - 130	12/15/23 22:26	12/16/23 13:11	1
o-Terphenyl	146	S1+	70 - 130	12/15/23 22:26	12/16/23 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	604		5.05		mg/Kg			12/19/23 20:06	1

Client Sample ID: T-4 (3')

Lab Sample ID: 880-37028-28

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 09:58	12/21/23 04:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:58	12/21/23 04:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:58	12/21/23 04:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/18/23 09:58	12/21/23 04:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:58	12/21/23 04:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/18/23 09:58	12/21/23 04:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	229	S1+	70 - 130	12/18/23 09:58	12/21/23 04:40	1
1,4-Difluorobenzene (Surr)	74		70 - 130	12/18/23 09:58	12/21/23 04:40	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			12/21/23 04:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	233		50.4		mg/Kg			12/16/23 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		12/15/23 22:26	12/16/23 13:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (3')

Lab Sample ID: 880-37028-28

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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)	233	*1	50.4		mg/Kg		12/15/23 22:26	12/16/23 13:32	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/15/23 22:26	12/16/23 13:32	1
Total TPH	233		50.4		mg/Kg		12/15/23 22:26	12/16/23 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	189	S1+	70 - 130				12/15/23 22:26	12/16/23 13:32	1
o-Terphenyl	156	S1+	70 - 130				12/15/23 22:26	12/16/23 13:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1450		25.3		mg/Kg			12/19/23 20:20	5

Client Sample ID: T-4 (4')

Lab Sample ID: 880-37028-29

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 05:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 05:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 05:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 05:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 05:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 05:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	250	S1+	70 - 130				12/18/23 09:58	12/21/23 05:06	1
1,4-Difluorobenzene (Surr)	71		70 - 130				12/18/23 09:58	12/21/23 05:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/23 05:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/16/23 13:55	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	<50.5	U	50.5		mg/Kg		12/15/23 22:26	12/16/23 13:55	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		12/15/23 22:26	12/16/23 13:55	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/15/23 22:26	12/16/23 13:55	1
Total TPH	<50.5	U	50.5		mg/Kg		12/15/23 22:26	12/16/23 13:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	165	S1+	70 - 130				12/15/23 22:26	12/16/23 13:55	1
o-Terphenyl	131	S1+	70 - 130				12/15/23 22:26	12/16/23 13:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (4')

Lab Sample ID: 880-37028-29

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2350		25.3		mg/Kg			12/19/23 20:25	5

Client Sample ID: T-4 (5')

Lab Sample ID: 880-37028-30

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 05:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 05:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 05:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 05:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 05:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 05:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	237	S1+	70 - 130	12/18/23 09:58	12/21/23 05:31	1
1,4-Difluorobenzene (Surr)	88		70 - 130	12/18/23 09:58	12/21/23 05:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/23 05:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/23 14:17	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		12/15/23 22:26	12/16/23 14:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		12/15/23 22:26	12/16/23 14:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 14:17	1
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	160	S1+	70 - 130	12/15/23 22:26	12/16/23 14:17	1
o-Terphenyl	127		70 - 130	12/15/23 22:26	12/16/23 14:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2260		25.3		mg/Kg			12/19/23 20:30	5

Client Sample ID: T-4 (6')

Lab Sample ID: 880-37028-31

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 09:58	12/21/23 07:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:58	12/21/23 07:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (6')

Lab Sample ID: 880-37028-31

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:58	12/21/23 07:14	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/18/23 09:58	12/21/23 07:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:58	12/21/23 07:14	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/18/23 09:58	12/21/23 07:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	195	S1+	70 - 130				12/18/23 09:58	12/21/23 07:14	1
1,4-Difluorobenzene (Surr)	80		70 - 130				12/18/23 09:58	12/21/23 07:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/21/23 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	<49.8	U	49.8		mg/Kg			12/16/23 14:40	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		12/15/23 22:26	12/16/23 14:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		12/15/23 22:26	12/16/23 14:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/15/23 22:26	12/16/23 14:40	1
Total TPH	<49.8	U	49.8		mg/Kg		12/15/23 22:26	12/16/23 14:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	172	S1+	70 - 130				12/15/23 22:26	12/16/23 14:40	1
o-Terphenyl	138	S1+	70 - 130				12/15/23 22:26	12/16/23 14:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	676		5.02		mg/Kg			12/19/23 20:35	1

Client Sample ID: T-4 (7')

Lab Sample ID: 880-37028-32

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 07:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 07:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 07:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 07:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 07:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 07:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	288	S1+	70 - 130				12/18/23 09:58	12/21/23 07:40	1
1,4-Difluorobenzene (Surr)	115		70 - 130				12/18/23 09:58	12/21/23 07:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (7')

Lab Sample ID: 880-37028-32

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/23 07:40	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			12/16/23 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/15/23 22:26	12/16/23 15:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		12/15/23 22:26	12/16/23 15:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/15/23 22:26	12/16/23 15:03	1
Total TPH	<49.7	U	49.7		mg/Kg		12/15/23 22:26	12/16/23 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130	12/15/23 22:26	12/16/23 15:03	1
o-Terphenyl	122		70 - 130	12/15/23 22:26	12/16/23 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1420		5.01		mg/Kg			12/19/23 20:49	1

Client Sample ID: T-4 (8')

Lab Sample ID: 880-37028-33

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 08:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 08:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 08:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 08:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 08:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 08:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	276	S1+	70 - 130	12/18/23 09:58	12/21/23 08:05	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/18/23 09:58	12/21/23 08:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/23 08:05	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			12/16/23 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/15/23 22:26	12/16/23 15:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (8')

Lab Sample ID: 880-37028-33

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		12/15/23 22:26	12/16/23 15:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/15/23 22:26	12/16/23 15:49	1
Total TPH	<49.8	U	49.8		mg/Kg		12/15/23 22:26	12/16/23 15:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	174	S1+	70 - 130				12/15/23 22:26	12/16/23 15:49	1
o-Terphenyl	139	S1+	70 - 130				12/15/23 22:26	12/16/23 15:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1360		25.1		mg/Kg			12/19/23 20:54	5

Client Sample ID: T-4 (9')

Lab Sample ID: 880-37028-34

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 08:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 08:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 08:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 09:58	12/21/23 08:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 08:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 09:58	12/21/23 08:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	218	S1+	70 - 130				12/18/23 09:58	12/21/23 08:32	1
1,4-Difluorobenzene (Surr)	86		70 - 130				12/18/23 09:58	12/21/23 08:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/21/23 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/23 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 16:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		12/15/23 22:26	12/16/23 16:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 16:13	1
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 16:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	165	S1+	70 - 130				12/15/23 22:26	12/16/23 16:13	1
o-Terphenyl	133	S1+	70 - 130				12/15/23 22:26	12/16/23 16:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (9')

Lab Sample ID: 880-37028-34

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1080		4.99		mg/Kg			12/19/23 20:59	1

Client Sample ID: T-4 (10')

Lab Sample ID: 880-37028-35

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:58	12/21/23 08:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:58	12/21/23 08:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:58	12/21/23 08:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/23 09:58	12/21/23 08:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:58	12/21/23 08:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/23 09:58	12/21/23 08:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	229	S1+	70 - 130	12/18/23 09:58	12/21/23 08:58	1
1,4-Difluorobenzene (Surr)	85		70 - 130	12/18/23 09:58	12/21/23 08:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/21/23 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/16/23 16:36	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	<50.1	U	50.1		mg/Kg		12/15/23 22:26	12/16/23 16:36	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		12/15/23 22:26	12/16/23 16:36	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/15/23 22:26	12/16/23 16:36	1
Total TPH	<50.1	U	50.1		mg/Kg		12/15/23 22:26	12/16/23 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130	12/15/23 22:26	12/16/23 16:36	1
o-Terphenyl	124		70 - 130	12/15/23 22:26	12/16/23 16:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		4.95		mg/Kg			12/19/23 21:04	1

Client Sample ID: T-4 (11')

Lab Sample ID: 880-37028-36

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 09:58	12/21/23 09:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:58	12/21/23 09:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (11')

Lab Sample ID: 880-37028-36

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:58	12/21/23 09:24	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/18/23 09:58	12/21/23 09:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/23 09:58	12/21/23 09:24	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/18/23 09:58	12/21/23 09:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	231	S1+	70 - 130				12/18/23 09:58	12/21/23 09:24	1
1,4-Difluorobenzene (Surr)	79		70 - 130				12/18/23 09:58	12/21/23 09:24	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			12/21/23 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/16/23 16:59	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	<50.3	U	50.3		mg/Kg		12/15/23 22:26	12/16/23 16:59	1
Diesel Range Organics (Over C10-C28)	<50.3	U *1	50.3		mg/Kg		12/15/23 22:26	12/16/23 16:59	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/15/23 22:26	12/16/23 16:59	1
Total TPH	<50.3	U	50.3		mg/Kg		12/15/23 22:26	12/16/23 16:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130				12/15/23 22:26	12/16/23 16:59	1
o-Terphenyl	113		70 - 130				12/15/23 22:26	12/16/23 16:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1130		5.04		mg/Kg			12/19/23 21:09	1

Client Sample ID: T-4 (12')

Lab Sample ID: 880-37028-37

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 09:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 09:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 09:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 09:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 09:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 09:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130				12/18/23 09:58	12/21/23 09:50	1
1,4-Difluorobenzene (Surr)	71		70 - 130				12/18/23 09:58	12/21/23 09:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (12')

Lab Sample ID: 880-37028-37

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/16/23 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		12/15/23 22:26	12/16/23 17:21	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		12/15/23 22:26	12/16/23 17:21	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/15/23 22:26	12/16/23 17:21	1
Total TPH	<50.5	U	50.5		mg/Kg		12/15/23 22:26	12/16/23 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130	12/15/23 22:26	12/16/23 17:21	1
o-Terphenyl	113		70 - 130	12/15/23 22:26	12/16/23 17:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.8		5.02		mg/Kg			12/19/23 21:14	1

Client Sample ID: T-5 (0-1.0')

Lab Sample ID: 880-37028-38

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 10:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 10:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 10:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 10:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 09:58	12/21/23 10:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 09:58	12/21/23 10:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	261	S1+	70 - 130	12/18/23 09:58	12/21/23 10:16	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/18/23 09:58	12/21/23 10:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	301		49.9		mg/Kg			12/16/23 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/15/23 22:26	12/16/23 18:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-5 (0-1.0')

Lab Sample ID: 880-37028-38

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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)	301	*1	49.9		mg/Kg		12/15/23 22:26	12/16/23 18:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/15/23 22:26	12/16/23 18:30	1
Total TPH	301		49.9		mg/Kg		12/15/23 22:26	12/16/23 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	12/15/23 22:26	12/16/23 18:30	1
o-Terphenyl	104		70 - 130	12/15/23 22:26	12/16/23 18:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8790		99.4		mg/Kg			12/19/23 21:28	20

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-37028-39

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 10:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 10:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 10:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 09:58	12/21/23 10:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 10:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 09:58	12/21/23 10:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	257	S1+	70 - 130	12/18/23 09:58	12/21/23 10:42	1
1,4-Difluorobenzene (Surr)	112		70 - 130	12/18/23 09:58	12/21/23 10:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/21/23 10:42	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			12/16/23 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/15/23 22:26	12/16/23 17:44	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		12/15/23 22:26	12/16/23 17:44	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/15/23 22:26	12/16/23 17:44	1
Total TPH	<49.7	U	49.7		mg/Kg		12/15/23 22:26	12/16/23 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	156	S1+	70 - 130	12/15/23 22:26	12/16/23 17:44	1
o-Terphenyl	121		70 - 130	12/15/23 22:26	12/16/23 17:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-37028-39

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1570		25.0		mg/Kg			12/19/23 21:33	5

Client Sample ID: T-5 (2')

Lab Sample ID: 880-37028-40

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:58	12/21/23 11:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:58	12/21/23 11:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:58	12/21/23 11:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/23 09:58	12/21/23 11:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/23 09:58	12/21/23 11:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/23 09:58	12/21/23 11:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	337	S1+	70 - 130	12/18/23 09:58	12/21/23 11:08	1
1,4-Difluorobenzene (Surr)	83		70 - 130	12/18/23 09:58	12/21/23 11:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/21/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.9		50.0		mg/Kg			12/16/23 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 18:53	1
Diesel Range Organics (Over C10-C28)	66.9	*1	50.0		mg/Kg		12/15/23 22:26	12/16/23 18:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 18:53	1
Total TPH	66.9		50.0		mg/Kg		12/15/23 22:26	12/16/23 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130	12/15/23 22:26	12/16/23 18:53	1
o-Terphenyl	129		70 - 130	12/15/23 22:26	12/16/23 18:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3490		25.0		mg/Kg			12/19/23 21:47	5

Client Sample ID: T-5 (3')

Lab Sample ID: 880-37028-41

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 16:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 16:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-5 (3')

Lab Sample ID: 880-37028-41

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 13:13	12/21/23 16:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/21/23 16:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 16:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/21/23 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				12/18/23 13:13	12/21/23 16:19	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/18/23 13:13	12/21/23 16:19	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			12/21/23 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/16/23 11:02	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 F2	49.8		mg/Kg		12/15/23 22:32	12/16/23 11:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/15/23 22:32	12/16/23 11:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/15/23 22:32	12/16/23 11:02	1
Total TPH	<49.8	U	49.8		mg/Kg		12/15/23 22:32	12/16/23 11:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				12/15/23 22:32	12/16/23 11:02	1
o-Terphenyl	131	S1+	70 - 130				12/15/23 22:32	12/16/23 11:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3300		24.9		mg/Kg			12/19/23 21:52	5

Client Sample ID: T-5 (4')

Lab Sample ID: 880-37028-42

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 16:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 16:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 16:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 13:13	12/21/23 16:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 16:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 13:13	12/21/23 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				12/18/23 13:13	12/21/23 16:44	1
1,4-Difluorobenzene (Surr)	76		70 - 130				12/18/23 13:13	12/21/23 16:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-5 (4')

Lab Sample ID: 880-37028-42

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/21/23 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/16/23 12:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		12/15/23 22:32	12/16/23 12:07	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		12/15/23 22:32	12/16/23 12:07	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/15/23 22:32	12/16/23 12:07	1
Total TPH	<50.5	U	50.5		mg/Kg		12/15/23 22:32	12/16/23 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	12/15/23 22:32	12/16/23 12:07	1
o-Terphenyl	129		70 - 130	12/15/23 22:32	12/16/23 12:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2280		25.2		mg/Kg			12/19/23 21:57	5

Client Sample ID: T-5 (5')

Lab Sample ID: 880-37028-43

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 17:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 17:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 17:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/18/23 13:13	12/21/23 17:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 17:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/18/23 13:13	12/21/23 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/18/23 13:13	12/21/23 17:10	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/18/23 13:13	12/21/23 17:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/21/23 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/16/23 12:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/15/23 22:32	12/16/23 12:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-5 (5')

Lab Sample ID: 880-37028-43

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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)	<49.7	U	49.7		mg/Kg		12/15/23 22:32	12/16/23 12:29	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/15/23 22:32	12/16/23 12:29	1
Total TPH	<49.7	U	49.7		mg/Kg		12/15/23 22:32	12/16/23 12:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	12/15/23 22:32	12/16/23 12:29	1
o-Terphenyl	137	S1+	70 - 130	12/15/23 22:32	12/16/23 12:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1590		25.0		mg/Kg			12/19/23 22:02	5

Client Sample ID: T-5 (6')

Lab Sample ID: 880-37028-44

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 17:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 17:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 17:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/21/23 17:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 17:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/21/23 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/18/23 13:13	12/21/23 17:36	1
1,4-Difluorobenzene (Surr)	123		70 - 130	12/18/23 13:13	12/21/23 17:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/23 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/23 12:50	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	<49.9	U	49.9		mg/Kg		12/15/23 22:32	12/16/23 12:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/15/23 22:32	12/16/23 12:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/15/23 22:32	12/16/23 12:50	1
Total TPH	<49.9	U	49.9		mg/Kg		12/15/23 22:32	12/16/23 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/15/23 22:32	12/16/23 12:50	1
o-Terphenyl	136	S1+	70 - 130	12/15/23 22:32	12/16/23 12:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-5 (6')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-44
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		5.03		mg/Kg			12/19/23 22:07	1

Client Sample ID: T-5 (7')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-45
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		12/18/23 13:13	12/21/23 18:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:13	12/21/23 18:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:13	12/21/23 18:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/23 13:13	12/21/23 18:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:13	12/21/23 18:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/23 13:13	12/21/23 18:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				12/18/23 13:13	12/21/23 18:02	1
1,4-Difluorobenzene (Surr)	111		70 - 130				12/18/23 13:13	12/21/23 18:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/21/23 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	<50.3	U	50.3		mg/Kg			12/16/23 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/15/23 22:32	12/16/23 13:11	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/15/23 22:32	12/16/23 13:11	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/15/23 22:32	12/16/23 13:11	1
Total TPH	<50.3	U	50.3		mg/Kg		12/15/23 22:32	12/16/23 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				12/15/23 22:32	12/16/23 13:11	1
o-Terphenyl	135	S1+	70 - 130				12/15/23 22:32	12/16/23 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		5.03		mg/Kg			12/19/23 22:12	1

Client Sample ID: T-5 (8')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-46
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		12/18/23 13:13	12/21/23 18:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:13	12/21/23 18:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-5 (8')

Lab Sample ID: 880-37028-46

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:13	12/21/23 18:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/18/23 13:13	12/21/23 18:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:13	12/21/23 18:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/18/23 13:13	12/21/23 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130				12/18/23 13:13	12/21/23 18:28	1
1,4-Difluorobenzene (Surr)	141	S1+	70 - 130				12/18/23 13:13	12/21/23 18:28	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			12/21/23 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/16/23 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/15/23 22:32	12/16/23 13:32	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/15/23 22:32	12/16/23 13:32	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/15/23 22:32	12/16/23 13:32	1
Total TPH	<50.2	U	50.2		mg/Kg		12/15/23 22:32	12/16/23 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				12/15/23 22:32	12/16/23 13:32	1
o-Terphenyl	152	S1+	70 - 130				12/15/23 22:32	12/16/23 13:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	635		5.01		mg/Kg			12/19/23 22:16	1

Client Sample ID: T-5 (9')

Lab Sample ID: 880-37028-47

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 18:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 18:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 18:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/21/23 18:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 18:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/21/23 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				12/18/23 13:13	12/21/23 18:53	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/18/23 13:13	12/21/23 18:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-5 (9')

Lab Sample ID: 880-37028-47

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/23 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/16/23 13:55	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	<50.5	U	50.5		mg/Kg		12/15/23 22:32	12/16/23 13:55	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		12/15/23 22:32	12/16/23 13:55	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/15/23 22:32	12/16/23 13:55	1
Total TPH	<50.5	U	50.5		mg/Kg		12/15/23 22:32	12/16/23 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	12/15/23 22:32	12/16/23 13:55	1
o-Terphenyl	127		70 - 130	12/15/23 22:32	12/16/23 13:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	696		5.00		mg/Kg			12/18/23 19:20	1

Client Sample ID: T-5 (10')

Lab Sample ID: 880-37028-48

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:13	12/21/23 19:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:13	12/21/23 19:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:13	12/21/23 19:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/18/23 13:13	12/21/23 19:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:13	12/21/23 19:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/18/23 13:13	12/21/23 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/18/23 13:13	12/21/23 19:19	1
1,4-Difluorobenzene (Surr)	133	S1+	70 - 130	12/18/23 13:13	12/21/23 19:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/21/23 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/16/23 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/15/23 22:32	12/16/23 14:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-5 (10')

Lab Sample ID: 880-37028-48

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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)	<49.6	U	49.6		mg/Kg		12/15/23 22:32	12/16/23 14:17	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/15/23 22:32	12/16/23 14:17	1
Total TPH	<49.6	U	49.6		mg/Kg		12/15/23 22:32	12/16/23 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/15/23 22:32	12/16/23 14:17	1
o-Terphenyl	139	S1+	70 - 130	12/15/23 22:32	12/16/23 14:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	462		4.98		mg/Kg			12/18/23 19:34	1

Client Sample ID: T-5 (11')

Lab Sample ID: 880-37028-49

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 19:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 19:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 19:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/21/23 19:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 19:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/21/23 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/18/23 13:13	12/21/23 19:44	1
1,4-Difluorobenzene (Surr)	129		70 - 130	12/18/23 13:13	12/21/23 19:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/23 19:44	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			12/16/23 14:40	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	<49.7	U	49.7		mg/Kg		12/15/23 22:32	12/16/23 14:40	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/15/23 22:32	12/16/23 14:40	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/15/23 22:32	12/16/23 14:40	1
Total TPH	<49.7	U	49.7		mg/Kg		12/15/23 22:32	12/16/23 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	12/15/23 22:32	12/16/23 14:40	1
o-Terphenyl	87		70 - 130	12/15/23 22:32	12/16/23 14:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-5 (11')

Lab Sample ID: 880-37028-49

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.4		4.96		mg/Kg			12/18/23 19:39	1

Client Sample ID: T-6 (0-1.0')

Lab Sample ID: 880-37028-50

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 20:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 20:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 20:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 13:13	12/21/23 20:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 20:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 13:13	12/21/23 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/18/23 13:13	12/21/23 20:22	1
1,4-Difluorobenzene (Surr)	114		70 - 130	12/18/23 13:13	12/21/23 20:22	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			12/21/23 20:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/23 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 15:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 15:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 15:03	1
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	12/15/23 22:32	12/16/23 15:03	1
o-Terphenyl	125		70 - 130	12/15/23 22:32	12/16/23 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5420		49.8		mg/Kg			12/18/23 19:44	10

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-37028-51

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:13	12/21/23 22:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:13	12/21/23 22:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-37028-51

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 13:13	12/21/23 22:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/23 13:13	12/21/23 22:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:13	12/21/23 22:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/23 13:13	12/21/23 22:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				12/18/23 13:13	12/21/23 22:04	1
1,4-Difluorobenzene (Surr)	110		70 - 130				12/18/23 13:13	12/21/23 22:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/21/23 22:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/16/23 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		12/15/23 22:32	12/16/23 15:49	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/15/23 22:32	12/16/23 15:49	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/15/23 22:32	12/16/23 15:49	1
Total TPH	<50.4	U	50.4		mg/Kg		12/15/23 22:32	12/16/23 15:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				12/15/23 22:32	12/16/23 15:49	1
o-Terphenyl	76		70 - 130				12/15/23 22:32	12/16/23 15:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	778		4.95		mg/Kg			12/18/23 19:49	1

Client Sample ID: T-6 (2')

Lab Sample ID: 880-37028-52

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 13:13	12/21/23 22:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:13	12/21/23 22:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:13	12/21/23 22:29	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/18/23 13:13	12/21/23 22:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:13	12/21/23 22:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/18/23 13:13	12/21/23 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				12/18/23 13:13	12/21/23 22:29	1
1,4-Difluorobenzene (Surr)	124		70 - 130				12/18/23 13:13	12/21/23 22:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-6 (2')

Lab Sample ID: 880-37028-52

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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			12/21/23 22:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/16/23 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		12/15/23 22:32	12/16/23 16:13	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/15/23 22:32	12/16/23 16:13	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/15/23 22:32	12/16/23 16:13	1
Total TPH	<50.4	U	50.4		mg/Kg		12/15/23 22:32	12/16/23 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	12/15/23 22:32	12/16/23 16:13	1
o-Terphenyl	85		70 - 130	12/15/23 22:32	12/16/23 16:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	730		5.04		mg/Kg			12/18/23 20:03	1

Client Sample ID: T-6 (3')

Lab Sample ID: 880-37028-53

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 22:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 22:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 22:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/21/23 22:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 22:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/21/23 22:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/18/23 13:13	12/21/23 22:55	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/18/23 13:13	12/21/23 22:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/23 22:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/23 16:36	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	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 16:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-6 (3')

Lab Sample ID: 880-37028-53

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/15/23 22:32	12/16/23 16:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 16:36	1
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	12/15/23 22:32	12/16/23 16:36	1
o-Terphenyl	83		70 - 130	12/15/23 22:32	12/16/23 16:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	657		4.96		mg/Kg			12/18/23 20:08	1

Client Sample ID: T-6 (4')

Lab Sample ID: 880-37028-54

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 23:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 23:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 23:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/21/23 23:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/21/23 23:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/21/23 23:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	12/18/23 13:13	12/21/23 23:21	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130	12/18/23 13:13	12/21/23 23:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/23 23:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			12/16/23 16:59	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	<49.5	U	49.5		mg/Kg		12/15/23 22:32	12/16/23 16:59	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		12/15/23 22:32	12/16/23 16:59	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		12/15/23 22:32	12/16/23 16:59	1
Total TPH	<49.5	U	49.5		mg/Kg		12/15/23 22:32	12/16/23 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	12/15/23 22:32	12/16/23 16:59	1
o-Terphenyl	146	S1+	70 - 130	12/15/23 22:32	12/16/23 16:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-6 (4')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-54
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270		5.01		mg/Kg			12/18/23 20:13	1

Client Sample ID: T-6 (5')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-55
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 23:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 23:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 23:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 13:13	12/21/23 23:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 23:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 13:13	12/21/23 23:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/18/23 13:13	12/21/23 23:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/18/23 13:13	12/21/23 23:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/21/23 23:46	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			12/16/23 17:21	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		12/15/23 22:32	12/16/23 17:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/15/23 22:32	12/16/23 17:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/15/23 22:32	12/16/23 17:21	1
Total TPH	<49.8	U	49.8		mg/Kg		12/15/23 22:32	12/16/23 17:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				12/15/23 22:32	12/16/23 17:21	1
o-Terphenyl	131	S1+	70 - 130				12/15/23 22:32	12/16/23 17:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		4.98		mg/Kg			12/18/23 20:18	1

Client Sample ID: T-6 (6')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-56
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		12/18/23 13:13	12/22/23 00:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:13	12/22/23 00:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-6 (6')

Lab Sample ID: 880-37028-56

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 13:13	12/22/23 00:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/23 13:13	12/22/23 00:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:13	12/22/23 00:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/23 13:13	12/22/23 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/18/23 13:13	12/22/23 00:12	1
1,4-Difluorobenzene (Surr)	111		70 - 130				12/18/23 13:13	12/22/23 00:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/22/23 00:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/16/23 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/15/23 22:32	12/16/23 17:44	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/15/23 22:32	12/16/23 17:44	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/15/23 22:32	12/16/23 17:44	1
Total TPH	<50.2	U	50.2		mg/Kg		12/15/23 22:32	12/16/23 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/15/23 22:32	12/16/23 17:44	1
o-Terphenyl	92		70 - 130				12/15/23 22:32	12/16/23 17:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.0		4.95		mg/Kg			12/18/23 20:23	1

Client Sample ID: T-7 (0-1.0')

Lab Sample ID: 880-37028-57

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 13:13	12/22/23 00:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:13	12/22/23 00:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:13	12/22/23 00:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/18/23 13:13	12/22/23 00:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:13	12/22/23 00:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/18/23 13:13	12/22/23 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				12/18/23 13:13	12/22/23 00:38	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/18/23 13:13	12/22/23 00:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-7 (0-1.0')

Lab Sample ID: 880-37028-57

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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			12/22/23 00:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	123		50.4		mg/Kg			12/16/23 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		12/15/23 22:32	12/16/23 18:07	1
Diesel Range Organics (Over C10-C28)	123		50.4		mg/Kg		12/15/23 22:32	12/16/23 18:07	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/15/23 22:32	12/16/23 18:07	1
Total TPH	123		50.4		mg/Kg		12/15/23 22:32	12/16/23 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				12/15/23 22:32	12/16/23 18:07	1
o-Terphenyl	121		70 - 130				12/15/23 22:32	12/16/23 18:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2150		25.2		mg/Kg			12/18/23 20:28	5

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-37028-58

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/22/23 01:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/22/23 01:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/22/23 01:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/22/23 01:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:13	12/22/23 01:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 13:13	12/22/23 01:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/18/23 13:13	12/22/23 01:04	1
1,4-Difluorobenzene (Surr)	83		70 - 130				12/18/23 13:13	12/22/23 01:04	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			12/22/23 01:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/16/23 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		12/15/23 22:32	12/16/23 18:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-37028-58

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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)	<50.5	U	50.5		mg/Kg		12/15/23 22:32	12/16/23 18:30	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/15/23 22:32	12/16/23 18:30	1
Total TPH	<50.5	U	50.5		mg/Kg		12/15/23 22:32	12/16/23 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	12/15/23 22:32	12/16/23 18:30	1
o-Terphenyl	122		70 - 130	12/15/23 22:32	12/16/23 18:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	322		5.01		mg/Kg			12/18/23 20:42	1

Client Sample ID: T-7 (2')

Lab Sample ID: 880-37028-59

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:13	12/22/23 01:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:13	12/22/23 01:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:13	12/22/23 01:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/18/23 13:13	12/22/23 01:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:13	12/22/23 01:30	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/18/23 13:13	12/22/23 01:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	12/18/23 13:13	12/22/23 01:30	1
1,4-Difluorobenzene (Surr)	87		70 - 130	12/18/23 13:13	12/22/23 01:30	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			12/22/23 01:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/16/23 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 18:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 18:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 18:53	1
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	12/15/23 22:32	12/16/23 18:53	1
o-Terphenyl	137	S1+	70 - 130	12/15/23 22:32	12/16/23 18:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-7 (2')

Lab Sample ID: 880-37028-59

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.5		5.00		mg/Kg			12/18/23 20:47	1

Client Sample ID: T-7 (3')

Lab Sample ID: 880-37028-60

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:13	12/22/23 01:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:13	12/22/23 01:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:13	12/22/23 01:56	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/18/23 13:13	12/22/23 01:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/18/23 13:13	12/22/23 01:56	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/18/23 13:13	12/22/23 01:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	12/18/23 13:13	12/22/23 01:56	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/18/23 13:13	12/22/23 01:56	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			12/22/23 01:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/16/23 19:16	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	<49.7	U	49.7		mg/Kg		12/15/23 22:32	12/16/23 19:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/15/23 22:32	12/16/23 19:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/15/23 22:32	12/16/23 19:16	1
Total TPH	<49.7	U	49.7		mg/Kg		12/15/23 22:32	12/16/23 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	12/15/23 22:32	12/16/23 19:16	1
o-Terphenyl	113		70 - 130	12/15/23 22:32	12/16/23 19:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		4.99		mg/Kg			12/18/23 21:02	1

Client Sample ID: T-7 (4')

Lab Sample ID: 880-37028-61

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 18:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 18:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-7 (4')

Lab Sample ID: 880-37028-61

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 13:16	12/20/23 18:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/23 13:16	12/20/23 18:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 18:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/23 13:16	12/20/23 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130				12/18/23 13:16	12/20/23 18:52	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/18/23 13:16	12/20/23 18:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/20/23 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/16/23 21:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	49.9		mg/Kg		12/15/23 22:47	12/16/23 21:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	49.9		mg/Kg		12/15/23 22:47	12/16/23 21:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/15/23 22:47	12/16/23 21:12	1
Total TPH	<49.9	U F1 F2	49.9		mg/Kg		12/15/23 22:47	12/16/23 21:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				12/15/23 22:47	12/16/23 21:12	1
o-Terphenyl	70		70 - 130				12/15/23 22:47	12/16/23 21:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.2		4.98		mg/Kg			12/18/23 21:06	1

Client Sample ID: T-8 (0-1.0')

Lab Sample ID: 880-37028-62

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 19:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 19:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 19:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 13:16	12/20/23 19:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 19:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 13:16	12/20/23 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	237	S1+	70 - 130				12/18/23 13:16	12/20/23 19:18	1
1,4-Difluorobenzene (Surr)	113		70 - 130				12/18/23 13:16	12/20/23 19:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-8 (0-1.0')

Lab Sample ID: 880-37028-62

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/20/23 19:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	74.8		50.5		mg/Kg			12/16/23 22:19	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	<50.5	U	50.5		mg/Kg		12/15/23 22:47	12/16/23 22:19	1
Diesel Range Organics (Over C10-C28)	74.8		50.5		mg/Kg		12/15/23 22:47	12/16/23 22:19	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/15/23 22:47	12/16/23 22:19	1
Total TPH	74.8		50.5		mg/Kg		12/15/23 22:47	12/16/23 22:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				12/15/23 22:47	12/16/23 22:19	1
o-Terphenyl	153	S1+	70 - 130				12/15/23 22:47	12/16/23 22:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2160		24.8		mg/Kg			12/18/23 21:11	5

Client Sample ID: T-8 (1.5')

Lab Sample ID: 880-37028-63

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 19:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 19:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 19:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 13:16	12/20/23 19:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 19:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 13:16	12/20/23 19:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	211	S1+	70 - 130				12/18/23 13:16	12/20/23 19:43	1
1,4-Difluorobenzene (Surr)	86		70 - 130				12/18/23 13:16	12/20/23 19:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/23 19:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1250		50.1		mg/Kg			12/16/23 22:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/15/23 22:47	12/16/23 22:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-8 (1.5')

Lab Sample ID: 880-37028-63

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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)	1250		50.1		mg/Kg		12/15/23 22:47	12/16/23 22:41	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/15/23 22:47	12/16/23 22:41	1
Total TPH	1250		50.1		mg/Kg		12/15/23 22:47	12/16/23 22:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	12/15/23 22:47	12/16/23 22:41	1
o-Terphenyl	134	S1+	70 - 130	12/15/23 22:47	12/16/23 22:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	353		5.00		mg/Kg			12/18/23 21:16	1

Client Sample ID: T-8 (2')

Lab Sample ID: 880-37028-64

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 20:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 20:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 20:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/23 13:16	12/20/23 20:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 20:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/23 13:16	12/20/23 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130	12/18/23 13:16	12/20/23 20:09	1
1,4-Difluorobenzene (Surr)	87		70 - 130	12/18/23 13:16	12/20/23 20:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/20/23 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	85.4		49.7		mg/Kg			12/16/23 23:02	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		12/15/23 22:47	12/16/23 23:02	1
Diesel Range Organics (Over C10-C28)	85.4		49.7		mg/Kg		12/15/23 22:47	12/16/23 23:02	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/15/23 22:47	12/16/23 23:02	1
Total TPH	85.4		49.7		mg/Kg		12/15/23 22:47	12/16/23 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	12/15/23 22:47	12/16/23 23:02	1
o-Terphenyl	146	S1+	70 - 130	12/15/23 22:47	12/16/23 23:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-8 (2')

Lab Sample ID: 880-37028-64

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	869		4.95		mg/Kg			12/18/23 21:21	1

Client Sample ID: T-8 (3')

Lab Sample ID: 880-37028-65

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:16	12/20/23 20:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:16	12/20/23 20:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:16	12/20/23 20:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/23 13:16	12/20/23 20:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/23 13:16	12/20/23 20:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/23 13:16	12/20/23 20:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	12/18/23 13:16	12/20/23 20:34	1
1,4-Difluorobenzene (Surr)	79		70 - 130	12/18/23 13:16	12/20/23 20:34	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			12/20/23 20:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	198		50.0		mg/Kg			12/16/23 23:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 22:47	12/16/23 23:23	1
Diesel Range Organics (Over C10-C28)	198		50.0		mg/Kg		12/15/23 22:47	12/16/23 23:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:47	12/16/23 23:23	1
Total TPH	198		50.0		mg/Kg		12/15/23 22:47	12/16/23 23:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	12/15/23 22:47	12/16/23 23:23	1
o-Terphenyl	141	S1+	70 - 130	12/15/23 22:47	12/16/23 23:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	592		4.99		mg/Kg			12/18/23 21:26	1

Client Sample ID: T-8 (4')

Lab Sample ID: 880-37028-66

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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		12/18/23 13:16	12/20/23 21:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:16	12/20/23 21:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-8 (4')

Lab Sample ID: 880-37028-66

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:16	12/20/23 21:00	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/18/23 13:16	12/20/23 21:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/23 13:16	12/20/23 21:00	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/18/23 13:16	12/20/23 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	176	S1+	70 - 130				12/18/23 13:16	12/20/23 21:00	1
1,4-Difluorobenzene (Surr)	83		70 - 130				12/18/23 13:16	12/20/23 21:00	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			12/20/23 21:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	230		49.6		mg/Kg			12/16/23 23:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/15/23 22:47	12/16/23 23:44	1
Diesel Range Organics (Over C10-C28)	230		49.6		mg/Kg		12/15/23 22:47	12/16/23 23:44	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/15/23 22:47	12/16/23 23:44	1
Total TPH	230		49.6		mg/Kg		12/15/23 22:47	12/16/23 23:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				12/15/23 22:47	12/16/23 23:44	1
o-Terphenyl	147	S1+	70 - 130				12/15/23 22:47	12/16/23 23:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		4.95		mg/Kg			12/18/23 21:31	1

Client Sample ID: T-8 (5')

Lab Sample ID: 880-37028-67

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 21:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 21:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 21:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 13:16	12/20/23 21:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 21:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 13:16	12/20/23 21:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	235	S1+	70 - 130				12/18/23 13:16	12/20/23 21:26	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/18/23 13:16	12/20/23 21:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-8 (5')

Lab Sample ID: 880-37028-67

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/23 21:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	350		49.9		mg/Kg			12/17/23 00:06	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		12/15/23 22:47	12/17/23 00:06	1
Diesel Range Organics (Over C10-C28)	350		49.9		mg/Kg		12/15/23 22:47	12/17/23 00:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/15/23 22:47	12/17/23 00:06	1
Total TPH	350		49.9		mg/Kg		12/15/23 22:47	12/17/23 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130				12/15/23 22:47	12/17/23 00:06	1
o-Terphenyl	157	S1+	70 - 130				12/15/23 22:47	12/17/23 00:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		5.03		mg/Kg			12/19/23 22:55	1

Client Sample ID: T-8 (6')

Lab Sample ID: 880-37028-68

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 21:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 21:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 21:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/23 13:16	12/20/23 21:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/23 13:16	12/20/23 21:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/23 13:16	12/20/23 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	191	S1+	70 - 130				12/18/23 13:16	12/20/23 21:51	1
1,4-Difluorobenzene (Surr)	81		70 - 130				12/18/23 13:16	12/20/23 21:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/20/23 21:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/17/23 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/15/23 22:47	12/17/23 00:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-8 (6')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-68
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/15/23 22:47	12/17/23 00:26	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/15/23 22:47	12/17/23 00:26	1
Total TPH	<49.7	U	49.7		mg/Kg		12/15/23 22:47	12/17/23 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				12/15/23 22:47	12/17/23 00:26	1
o-Terphenyl	143	S1+	70 - 130				12/15/23 22:47	12/17/23 00:26	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.9		4.98		mg/Kg			12/19/23 23:10	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB1	DFBZ1	
		(70-130)	(70-130)	
880-37028-1	T-1 (0-1.0')	137 S1+	85	
880-37028-1 MS	T-1 (0-1.0')	154 S1+	95	
880-37028-1 MSD	T-1 (0-1.0')	217 S1+	85	
880-37028-2	T-1 (1.5')	192 S1+	98	
880-37028-3	T-1 (2.0')	162 S1+	98	
880-37028-4	T-2 (0-1.0')	166 S1+	78	
880-37028-5	T-2 (1.5')	151 S1+	72	
880-37028-6	T-2 (2')	81	77	
880-37028-7	T-2 (3')	159 S1+	80	
880-37028-8	T-2 (4')	184 S1+	86	
880-37028-9	T-2 (5')	186 S1+	89	
880-37028-10	T-2 (6')	135 S1+	73	
880-37028-11	T-2 (7')	143 S1+	83	
880-37028-12	T-2 (8')	172 S1+	87	
880-37028-13	T-2 (9')	207 S1+	95	
880-37028-14	T-2 (10')	190 S1+	84	
880-37028-15	T-2 (12')	244 S1+	120	
880-37028-16	T-2 (11')	235 S1+	105	
880-37028-17	T-3 (0-1')	244 S1+	92	
880-37028-18	T-3 (1.5')	186 S1+	83	
880-37028-19	T-3 (2')	230 S1+	83	
880-37028-20	T-3 (3')	198 S1+	86	
880-37028-21	T-3 (4')	168 S1+	72	
880-37028-21 MS	T-3 (4')	196 S1+	110	
880-37028-21 MSD	T-3 (4')	203 S1+	78	
880-37028-22	T-3 (5')	226 S1+	92	
880-37028-23	T-3 (6')	266 S1+	89	
880-37028-24	T-3 (7')	238 S1+	96	
880-37028-25	T-4 (0-1.0')	202 S1+	81	
880-37028-26	T-4 (1.5')	162 S1+	95	
880-37028-27	T-4 (2')	189 S1+	74	
880-37028-28	T-4 (3')	229 S1+	74	
880-37028-29	T-4 (4')	250 S1+	71	
880-37028-30	T-4 (5')	237 S1+	88	
880-37028-31	T-4 (6')	195 S1+	80	
880-37028-32	T-4 (7')	288 S1+	115	
880-37028-33	T-4 (8')	276 S1+	94	
880-37028-34	T-4 (9')	218 S1+	86	
880-37028-35	T-4 (10')	229 S1+	85	
880-37028-36	T-4 (11')	231 S1+	79	
880-37028-37	T-4 (12')	178 S1+	71	
880-37028-38	T-5 (0-1.0')	261 S1+	95	
880-37028-39	T-5 (1.5')	257 S1+	112	
880-37028-40	T-5 (2')	337 S1+	83	
880-37028-41	T-5 (3')	129	107	
880-37028-41 MS	T-5 (3')	127	148 S1+	
880-37028-41 MSD	T-5 (3')	105	114	
880-37028-42	T-5 (4')	121	76	
880-37028-43	T-5 (5')	122	107	

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-37028-1

Project/Site: Paduca Main

SDG: Lea Co. NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-37028-44	T-5 (6')	103	123
880-37028-45	T-5 (7')	86	111
880-37028-46	T-5 (8')	153 S1+	141 S1+
880-37028-47	T-5 (9')	119	104
880-37028-48	T-5 (10')	118	133 S1+
880-37028-49	T-5 (11')	123	129
880-37028-50	T-6 (0-1.0')	114	114
880-37028-51	T-6 (1.5')	100	110
880-37028-52	T-6 (2')	129	124
880-37028-53	T-6 (3')	106	95
880-37028-54	T-6 (4')	134 S1+	132 S1+
880-37028-55	T-6 (5')	123	99
880-37028-56	T-6 (6')	108	111
880-37028-57	T-7 (0-1.0')	131 S1+	109
880-37028-58	T-7 (1.5')	116	83
880-37028-59	T-7 (2')	92	87
880-37028-60	T-7 (3')	137 S1+	107
880-37028-61	T-7 (4')	157 S1+	92
880-37028-62	T-8 (0-1.0')	237 S1+	113
880-37028-63	T-8 (1.5')	211 S1+	86
880-37028-64	T-8 (2')	155 S1+	87
880-37028-65	T-8 (3')	142 S1+	79
880-37028-66	T-8 (4')	176 S1+	83
880-37028-67	T-8 (5')	235 S1+	99
880-37028-68	T-8 (6')	191 S1+	81
LCS 880-69291/1-A	Lab Control Sample	166 S1+	104
LCS 880-69292/1-A	Lab Control Sample	163 S1+	74
LCS 880-69312/1-A	Lab Control Sample	118	89
LCS 880-69313/1-A	Lab Control Sample	203 S1+	93
LCSD 880-69291/2-A	Lab Control Sample Dup	163 S1+	71
LCSD 880-69292/2-A	Lab Control Sample Dup	167 S1+	101
LCSD 880-69312/2-A	Lab Control Sample Dup	89	85
LCSD 880-69313/2-A	Lab Control Sample Dup	190 S1+	79
MB 880-69271/8	Method Blank	116	83
MB 880-69291/5-A	Method Blank	99	94
MB 880-69292/5-A	Method Blank	115	77
MB 880-69312/5-A	Method Blank	53 S1-	75
MB 880-69313/5-A	Method Blank	114	80
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-37028-1	T-1 (0-1.0')	192 S1+	150 S1+
880-37028-2	T-1 (1.5')	144 S1+	113

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-37028-1

Project/Site: Paduca Main

SDG: Lea Co. 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)
880-37028-2 MS	T-1 (1.5')	135 S1+	93
880-37028-2 MSD	T-1 (1.5')	171 S1+	117
880-37028-3	T-1 (2.0')	175 S1+	135 S1+
880-37028-4	T-2 (0-1.0')	178 S1+	143 S1+
880-37028-5	T-2 (1.5')	183 S1+	150 S1+
880-37028-6	T-2 (2')	186 S1+	145 S1+
880-37028-7	T-2 (3')	167 S1+	131 S1+
880-37028-8	T-2 (4')	206 S1+	173 S1+
880-37028-9	T-2 (5')	175 S1+	146 S1+
880-37028-10	T-2 (6')	200 S1+	167 S1+
880-37028-11	T-2 (7')	171 S1+	141 S1+
880-37028-12	T-2 (8')	221 S1+	183 S1+
880-37028-13	T-2 (9')	169 S1+	146 S1+
880-37028-14	T-2 (10')	185 S1+	147 S1+
880-37028-15	T-2 (12')	157 S1+	121
880-37028-16	T-2 (11')	189 S1+	162 S1+
880-37028-17	T-3 (0-1')	167 S1+	133 S1+
880-37028-18	T-3 (1.5')	185 S1+	142 S1+
880-37028-19	T-3 (2')	171 S1+	127
880-37028-20	T-3 (3')	168 S1+	139 S1+
880-37028-21	T-3 (4')	197 S1+	158 S1+
880-37028-21 MS	T-3 (4')	201 S1+	144 S1+
880-37028-21 MSD	T-3 (4')	199 S1+	138 S1+
880-37028-22	T-3 (5')	181 S1+	149 S1+
880-37028-23	T-3 (6')	168 S1+	141 S1+
880-37028-24	T-3 (7')	146 S1+	130
880-37028-25	T-4 (0-1.0')	150 S1+	116
880-37028-26	T-4 (1.5')	148 S1+	115
880-37028-27	T-4 (2')	175 S1+	146 S1+
880-37028-28	T-4 (3')	189 S1+	156 S1+
880-37028-29	T-4 (4')	165 S1+	131 S1+
880-37028-30	T-4 (5')	160 S1+	127
880-37028-31	T-4 (6')	172 S1+	138 S1+
880-37028-32	T-4 (7')	155 S1+	122
880-37028-33	T-4 (8')	174 S1+	139 S1+
880-37028-34	T-4 (9')	165 S1+	133 S1+
880-37028-35	T-4 (10')	154 S1+	124
880-37028-36	T-4 (11')	147 S1+	113
880-37028-37	T-4 (12')	146 S1+	113
880-37028-38	T-5 (0-1.0')	135 S1+	104
880-37028-39	T-5 (1.5')	156 S1+	121
880-37028-40	T-5 (2')	157 S1+	129
880-37028-41	T-5 (3')	117	131 S1+
880-37028-41 MS	T-5 (3')	117	112
880-37028-41 MSD	T-5 (3')	122	121
880-37028-42	T-5 (4')	122	129
880-37028-43	T-5 (5')	130	137 S1+
880-37028-44	T-5 (6')	128	136 S1+
880-37028-45	T-5 (7')	130	135 S1+
880-37028-46	T-5 (8')	140 S1+	152 S1+

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-37028-1

Project/Site: Paduca Main

SDG: Lea Co. 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)
880-37028-47	T-5 (9')	119	127
880-37028-48	T-5 (10')	128	139 S1+
880-37028-49	T-5 (11')	91	87
880-37028-50	T-6 (0-1.0')	122	125
880-37028-51	T-6 (1.5')	83	76
880-37028-52	T-6 (2')	86	85
880-37028-53	T-6 (3')	81	83
880-37028-54	T-6 (4')	137 S1+	146 S1+
880-37028-55	T-6 (5')	123	131 S1+
880-37028-56	T-6 (6')	93	92
880-37028-57	T-7 (0-1.0')	114	121
880-37028-58	T-7 (1.5')	117	122
880-37028-59	T-7 (2')	126	137 S1+
880-37028-60	T-7 (3')	105	113
880-37028-61	T-7 (4')	75	70
880-37028-61 MS	T-7 (4')	58 S1-	50 S1-
880-37028-61 MSD	T-7 (4')	106	100
880-37028-62	T-8 (0-1.0')	143 S1+	153 S1+
880-37028-63	T-8 (1.5')	123	134 S1+
880-37028-64	T-8 (2')	137 S1+	146 S1+
880-37028-65	T-8 (3')	132 S1+	141 S1+
880-37028-66	T-8 (4')	139 S1+	147 S1+
880-37028-67	T-8 (5')	147 S1+	157 S1+
880-37028-68	T-8 (6')	138 S1+	143 S1+
LCS 880-69253/2-A	Lab Control Sample	111	106
LCS 880-69255/2-A	Lab Control Sample	109	120
LCS 880-69256/2-A	Lab Control Sample	95	110
LCS 880-69258/2-A	Lab Control Sample	102	114
LCSD 880-69253/3-A	Lab Control Sample Dup	110	104
LCSD 880-69255/3-A	Lab Control Sample Dup	87	76
LCSD 880-69256/3-A	Lab Control Sample Dup	113	141 S1+
LCSD 880-69258/3-A	Lab Control Sample Dup	100	118
MB 880-69253/1-A	Method Blank	133 S1+	113
MB 880-69255/1-A	Method Blank	139 S1+	116
MB 880-69256/1-A	Method Blank	117	134 S1+
MB 880-69258/1-A	Method Blank	102	115

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-69271/8

Matrix: Solid

Analysis Batch: 69271

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			12/18/23 12:13	1
Toluene	<0.00200	U	0.00200		mg/Kg			12/18/23 12:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			12/18/23 12:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			12/18/23 12:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			12/18/23 12:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			12/18/23 12:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130		12/18/23 12:13	1
1,4-Difluorobenzene (Surr)	83		70 - 130		12/18/23 12:13	1

Lab Sample ID: MB 880-69291/5-A

Matrix: Solid

Analysis Batch: 69271

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 69291

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 18:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 18:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 18:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/23 09:52	12/18/23 18:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:52	12/18/23 18:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/23 09:52	12/18/23 18:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	12/18/23 09:52	12/18/23 18:22	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/18/23 09:52	12/18/23 18:22	1

Lab Sample ID: LCS 880-69291/1-A

Matrix: Solid

Analysis Batch: 69271

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 69291

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09504		mg/Kg		95	70 - 130
Toluene	0.100	0.1059		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1112		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2190		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1102		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-69291/2-A

Matrix: Solid

Analysis Batch: 69271

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 69291

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1079		mg/Kg		108	70 - 130	13	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-69291/2-A

Matrix: Solid

Analysis Batch: 69271

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 69291

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Toluene	0.100	0.1095		mg/Kg		110	70 - 130		3	35
Ethylbenzene	0.100	0.1075		mg/Kg		108	70 - 130		3	35
m-Xylene & p-Xylene	0.200	0.2114		mg/Kg		106	70 - 130		4	35
o-Xylene	0.100	0.1101		mg/Kg		110	70 - 130		0	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130
1,4-Difluorobenzene (Surr)	71		70 - 130

Lab Sample ID: 880-37028-1 MS

Matrix: Solid

Analysis Batch: 69271

Client Sample ID: T-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 69291

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Benzene	<0.00199	U	0.0996	0.08532		mg/Kg		86	70 - 130	
Toluene	<0.00199	U F2	0.0996	0.06988		mg/Kg		70	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.08535		mg/Kg		86	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1529		mg/Kg		77	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.08233		mg/Kg		83	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-37028-1 MSD

Matrix: Solid

Analysis Batch: 69271

Client Sample ID: T-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 69291

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits			
Benzene	<0.00199	U	0.0990	0.1064		mg/Kg		107	70 - 130		22	35
Toluene	<0.00199	U F2	0.0990	0.1156	F2	mg/Kg		117	70 - 130		49	35
Ethylbenzene	<0.00199	U	0.0990	0.1083		mg/Kg		109	70 - 130		24	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2072		mg/Kg		105	70 - 130		30	35
o-Xylene	<0.00199	U	0.0990	0.1142		mg/Kg		115	70 - 130		32	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	217	S1+	70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: MB 880-69292/5-A

Matrix: Solid

Analysis Batch: 69426

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 69292

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 01:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 01:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 01:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/23 09:58	12/21/23 01:15	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-69292/5-A

Matrix: Solid

Analysis Batch: 69426

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 69292

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 09:58	12/21/23 01:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/23 09:58	12/21/23 01:15	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	115		70 - 130				12/18/23 09:58	12/21/23 01:15	1
1,4-Difluorobenzene (Surr)	77		70 - 130				12/18/23 09:58	12/21/23 01:15	1

Lab Sample ID: LCS 880-69292/1-A

Matrix: Solid

Analysis Batch: 69426

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 69292

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07664		mg/Kg		77	70 - 130
Toluene	0.100	0.09276		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.08709		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1875		mg/Kg		94	70 - 130
o-Xylene	0.100	0.1001		mg/Kg		100	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130				
1,4-Difluorobenzene (Surr)	74		70 - 130				

Lab Sample ID: LCSD 880-69292/2-A

Matrix: Solid

Analysis Batch: 69426

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 69292

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09105		mg/Kg		91	70 - 130	17	35
Toluene	0.100	0.08110		mg/Kg		81	70 - 130	13	35
Ethylbenzene	0.100	0.09063		mg/Kg		91	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1830		mg/Kg		91	70 - 130	2	35
o-Xylene	0.100	0.09088		mg/Kg		91	70 - 130	10	35
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	167	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: 880-37028-21 MS

Matrix: Solid

Analysis Batch: 69426

Client Sample ID: T-3 (4')

Prep Type: Total/NA

Prep Batch: 69292

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Benzene	<0.00200	U	0.0996	0.1082		mg/Kg		109	70 - 130
Toluene	<0.00200	U	0.0996	0.1146		mg/Kg		115	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.1219		mg/Kg		122	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.199	0.02542	F1	mg/Kg		13	70 - 130
o-Xylene	<0.00200	U	0.0996	0.1098		mg/Kg		110	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-37028-21 MS

Matrix: Solid

Analysis Batch: 69426

Client Sample ID: T-3 (4')

Prep Type: Total/NA

Prep Batch: 69292

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	196	S1+	70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-37028-21 MSD

Matrix: Solid

Analysis Batch: 69426

Client Sample ID: T-3 (4')

Prep Type: Total/NA

Prep Batch: 69292

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.09499		mg/Kg		96	70 - 130	13	35
Toluene	<0.00200	U	0.0990	0.09417		mg/Kg		95	70 - 130	20	35
Ethylbenzene	<0.00200	U	0.0990	0.09827		mg/Kg		98	70 - 130	21	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.198	0.1916	F2	mg/Kg		97	70 - 130	153	35
o-Xylene	<0.00200	U	0.0990	0.09604		mg/Kg		97	70 - 130	13	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	203	S1+	70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: MB 880-69312/5-A

Matrix: Solid

Analysis Batch: 69579

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 69312

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 15:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 15:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 15:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/23 13:13	12/21/23 15:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:13	12/21/23 15:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/23 13:13	12/21/23 15:53	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	53	S1-	70 - 130	12/18/23 13:13	12/21/23 15:53	1
1,4-Difluorobenzene (Surr)	75		70 - 130	12/18/23 13:13	12/21/23 15:53	1

Lab Sample ID: LCS 880-69312/1-A

Matrix: Solid

Analysis Batch: 69579

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 69312

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08698		mg/Kg		87	70 - 130
Toluene	0.100	0.08162		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.08726		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1668		mg/Kg		83	70 - 130
o-Xylene	0.100	0.08533		mg/Kg		85	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-69312/1-A
Matrix: Solid
Analysis Batch: 69579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 69312

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

Lab Sample ID: LCSD 880-69312/2-A
Matrix: Solid
Analysis Batch: 69579

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 69312

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07118		mg/Kg		71	70 - 130	20	35
Toluene	0.100	0.07891		mg/Kg		79	70 - 130	3	35
Ethylbenzene	0.100	0.08257		mg/Kg		83	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1615		mg/Kg		81	70 - 130	3	35
o-Xylene	0.100	0.08183		mg/Kg		82	70 - 130	4	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-37028-41 MS
Matrix: Solid
Analysis Batch: 69579

Client Sample ID: T-5 (3')
Prep Type: Total/NA
Prep Batch: 69312

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.07844		mg/Kg		79	70 - 130
Toluene	<0.00199	U	0.0996	0.09359		mg/Kg		94	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.09336		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1804		mg/Kg		91	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09623		mg/Kg		97	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	148	S1+	70 - 130

Lab Sample ID: 880-37028-41 MSD
Matrix: Solid
Analysis Batch: 69579

Client Sample ID: T-5 (3')
Prep Type: Total/NA
Prep Batch: 69312

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.07003		mg/Kg		71	70 - 130	11	35
Toluene	<0.00199	U	0.0990	0.07767		mg/Kg		78	70 - 130	19	35
Ethylbenzene	<0.00199	U	0.0990	0.07902		mg/Kg		80	70 - 130	17	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1521		mg/Kg		77	70 - 130	17	35
o-Xylene	<0.00199	U	0.0990	0.08222		mg/Kg		83	70 - 130	16	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-69313/5-A

Matrix: Solid

Analysis Batch: 69426

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 69313

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 11:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 11:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/23 13:16	12/20/23 11:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/23 13:16	12/20/23 11:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/23 13:16	12/20/23 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/18/23 13:16	12/20/23 11:58	1
1,4-Difluorobenzene (Surr)	80		70 - 130	12/18/23 13:16	12/20/23 11:58	1

Lab Sample ID: LCS 880-69313/1-A

Matrix: Solid

Analysis Batch: 69426

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 69313

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1053		mg/Kg		105	70 - 130
Toluene	0.100	0.1105		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1109		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2090		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1190		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	203	S1+	70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-69313/2-A

Matrix: Solid

Analysis Batch: 69426

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 69313

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1026		mg/Kg		103	70 - 130	3	35
Toluene	0.100	0.1123		mg/Kg		112	70 - 130	2	35
Ethylbenzene	0.100	0.1091		mg/Kg		109	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2385		mg/Kg		119	70 - 130	13	35
o-Xylene	0.100	0.1240		mg/Kg		124	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	190	S1+	70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-69253/1-A
Matrix: Solid
Analysis Batch: 69259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 69253

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 17:22	12/16/23 20:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/15/23 17:22	12/16/23 20:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 17:22	12/16/23 20:02	1
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 17:22	12/16/23 20:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	12/15/23 17:22	12/16/23 20:02	1
o-Terphenyl	113		70 - 130	12/15/23 17:22	12/16/23 20:02	1

Lab Sample ID: LCS 880-69253/2-A
Matrix: Solid
Analysis Batch: 69259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 69253

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1076		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1127		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-69253/3-A
Matrix: Solid
Analysis Batch: 69259

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 69253

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1080		mg/Kg		108	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1115		mg/Kg		112	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-37028-2 MS
Matrix: Solid
Analysis Batch: 69259

Client Sample ID: T-1 (1.5')
Prep Type: Total/NA
Prep Batch: 69253

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.5	U F2	1000	1163		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	<50.5	U F1 F2	1000	1145		mg/Kg		112	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-37028-2 MS

Matrix: Solid

Analysis Batch: 69259

Client Sample ID: T-1 (1.5')

Prep Type: Total/NA

Prep Batch: 69253

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	135	S1+	70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 880-37028-2 MSD

Matrix: Solid

Analysis Batch: 69259

Client Sample ID: T-1 (1.5')

Prep Type: Total/NA

Prep Batch: 69253

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	<50.5	U F2	1000	923.9	F2	mg/Kg		89	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<50.5	U F1 F2	1000	1466	F1 F2	mg/Kg		144	70 - 130	25	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	171	S1+	70 - 130								
o-Terphenyl	117		70 - 130								

Lab Sample ID: MB 880-69255/1-A

Matrix: Solid

Analysis Batch: 69259

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 69255

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 08:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 08:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 08:22	1
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 22:26	12/16/23 08:22	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				12/15/23 22:26	12/16/23 08:22	1
o-Terphenyl	116		70 - 130				12/15/23 22:26	12/16/23 08:22	1

Lab Sample ID: LCS 880-69255/2-A

Matrix: Solid

Analysis Batch: 69259

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 69255

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1112		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1219		mg/Kg		122	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	109		70 - 130				
o-Terphenyl	120		70 - 130				

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-69255/3-A
Matrix: Solid
Analysis Batch: 69259

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 69255

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	939.2		mg/Kg		94	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	1000	841.1	*1	mg/Kg		84	70 - 130	37	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	87		70 - 130						
o-Terphenyl	76		70 - 130						

Lab Sample ID: 880-37028-21 MS
Matrix: Solid
Analysis Batch: 69259

Client Sample ID: T-3 (4')
Prep Type: Total/NA
Prep Batch: 69255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1131		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U *1 F1	1010	1739	F1	mg/Kg		170	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	201	S1+	70 - 130								
o-Terphenyl	144	S1+	70 - 130								

Lab Sample ID: 880-37028-21 MSD
Matrix: Solid
Analysis Batch: 69259

Client Sample ID: T-3 (4')
Prep Type: Total/NA
Prep Batch: 69255

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	<50.1	U	1010	1049		mg/Kg		100	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.1	U *1 F1	1010	1683	F1	mg/Kg		165	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	199	S1+	70 - 130								
o-Terphenyl	138	S1+	70 - 130								

Lab Sample ID: MB 880-69256/1-A
Matrix: Solid
Analysis Batch: 69261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 69256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 08:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 08:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 08:22	1
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 22:32	12/16/23 08:22	1

QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-69256/1-A
Matrix: Solid
Analysis Batch: 69261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 69256

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	117		70 - 130	12/15/23 22:32	12/16/23 08:22	1
o-Terphenyl	134	S1+	70 - 130	12/15/23 22:32	12/16/23 08:22	1

Lab Sample ID: LCS 880-69256/2-A
Matrix: Solid
Analysis Batch: 69261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 69256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	928.7		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	895.0		mg/Kg		89	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	95		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: LCSD 880-69256/3-A
Matrix: Solid
Analysis Batch: 69261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 69256

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	968.7		mg/Kg		97	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1005		mg/Kg		100	70 - 130	12	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	113		70 - 130
o-Terphenyl	141	S1+	70 - 130

Lab Sample ID: 880-37028-41 MS
Matrix: Solid
Analysis Batch: 69261

Client Sample ID: T-5 (3')
Prep Type: Total/NA
Prep Batch: 69256

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	1000	873.2		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1005		mg/Kg		97	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	117		70 - 130
o-Terphenyl	112		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-37028-41 MSD

Matrix: Solid

Analysis Batch: 69261

Client Sample ID: T-5 (3')

Prep Type: Total/NA

Prep Batch: 69256

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	<49.8	U F2	1000	1073	F2	mg/Kg		105	70 - 130	21	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1086		mg/Kg		106	70 - 130	8	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	122		70 - 130								
o-Terphenyl	121		70 - 130								

Lab Sample ID: MB 880-69258/1-A

Matrix: Solid

Analysis Batch: 69261

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 69258

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/23 22:46	12/16/23 20:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/15/23 22:46	12/16/23 20:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/23 22:46	12/16/23 20:02	1
Total TPH	<50.0	U	50.0		mg/Kg		12/15/23 22:46	12/16/23 20:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/15/23 22:46	12/16/23 20:02	1
o-Terphenyl	115		70 - 130				12/15/23 22:46	12/16/23 20:02	1

Lab Sample ID: LCS 880-69258/2-A

Matrix: Solid

Analysis Batch: 69261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 69258

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1037		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	963.2		mg/Kg		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	102		70 - 130				
o-Terphenyl	114		70 - 130				

Lab Sample ID: LCSD 880-69258/3-A

Matrix: Solid

Analysis Batch: 69261

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 69258

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	993.8		mg/Kg		99	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	874.0		mg/Kg		87	70 - 130	10	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-69258/3-A

Matrix: Solid

Analysis Batch: 69261

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 69258

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: 880-37028-61 MS

Matrix: Solid

Analysis Batch: 69261

Client Sample ID: T-7 (4')

Prep Type: Total/NA

Prep Batch: 69258

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	1010	435.7	F1	mg/Kg		42	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	1010	444.4	F1	mg/Kg		40	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	58	S1-	70 - 130							
o-Terphenyl	50	S1-	70 - 130							

Lab Sample ID: 880-37028-61 MSD

Matrix: Solid

Analysis Batch: 69261

Client Sample ID: T-7 (4')

Prep Type: Total/NA

Prep Batch: 69258

	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	<49.9	U F1 F2	1010	862.0	F2	mg/Kg		84	70 - 130	66	20	
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	1010	885.6	F2	mg/Kg		84	70 - 130	66	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	106		70 - 130									
o-Terphenyl	100		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-69245/1-A

Matrix: Solid

Analysis Batch: 69317

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			12/18/23 19:05	1	

Lab Sample ID: LCS 880-69245/2-A

Matrix: Solid

Analysis Batch: 69317

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	263.5		mg/Kg		105	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-69245/3-A
Matrix: Solid
Analysis Batch: 69317

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	257.9		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 880-37028-47 MS
Matrix: Solid
Analysis Batch: 69317

Client Sample ID: T-5 (9')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	696		250	931.8		mg/Kg		94	90 - 110		

Lab Sample ID: 880-37028-47 MSD
Matrix: Solid
Analysis Batch: 69317

Client Sample ID: T-5 (9')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	696		250	927.2		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 880-37028-57 MS
Matrix: Solid
Analysis Batch: 69317

Client Sample ID: T-7 (0-1.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2150		1260	3447		mg/Kg		103	90 - 110		

Lab Sample ID: 880-37028-57 MSD
Matrix: Solid
Analysis Batch: 69317

Client Sample ID: T-7 (0-1.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2150		1260	3409		mg/Kg		100	90 - 110	1	20

Lab Sample ID: MB 880-69276/1-A
Matrix: Solid
Analysis Batch: 69318

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/18/23 21:55	1

Lab Sample ID: LCS 880-69276/2-A
Matrix: Solid
Analysis Batch: 69318

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	267.4		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-69276/3-A
Matrix: Solid
Analysis Batch: 69318

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	260.6		mg/Kg		104	90 - 110	3	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-37027-A-19-C MS

Matrix: Solid

Analysis Batch: 69318

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	966	F1	249	1182	F1	mg/Kg		87	90 - 110

Lab Sample ID: 880-37027-A-19-D MSD

Matrix: Solid

Analysis Batch: 69318

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	966	F1	249	1173	F1	mg/Kg		83	90 - 110	1	20

Lab Sample ID: MB 880-69243/1-A

Matrix: Solid

Analysis Batch: 69319

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/19/23 00:45	1

Lab Sample ID: LCS 880-69243/2-A

Matrix: Solid

Analysis Batch: 69319

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	268.9		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-69243/3-A

Matrix: Solid

Analysis Batch: 69319

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	262.4		mg/Kg		105	90 - 110	2	20

Lab Sample ID: 880-37028-8 MS

Matrix: Solid

Analysis Batch: 69319

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	1850	F1	1260	3326	F1	mg/Kg		117	90 - 110

Lab Sample ID: 880-37028-8 MSD

Matrix: Solid

Analysis Batch: 69319

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	1850	F1	1260	3286	F1	mg/Kg		113	90 - 110	1	20

Lab Sample ID: 880-37028-17 MS

Matrix: Solid

Analysis Batch: 69319

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4400	F1	2480	7256	F1	mg/Kg		115	90 - 110

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-37028-17 MSD

Matrix: Solid

Analysis Batch: 69319

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4400	F1	2480	7049		mg/Kg		107	90 - 110	3	20

Lab Sample ID: MB 880-69244/1-A

Matrix: Solid

Analysis Batch: 69405

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/19/23 19:51	1

Lab Sample ID: LCS 880-69244/2-A

Matrix: Solid

Analysis Batch: 69405

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.0		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-69244/3-A

Matrix: Solid

Analysis Batch: 69405

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	260.0		mg/Kg		104	90 - 110	2	20

Lab Sample ID: 880-37028-27 MS

Matrix: Solid

Analysis Batch: 69405

Client Sample ID: T-4 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	604		253	849.8		mg/Kg		97	90 - 110

Lab Sample ID: 880-37028-27 MSD

Matrix: Solid

Analysis Batch: 69405

Client Sample ID: T-4 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	604		253	841.3		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-37028-37 MS

Matrix: Solid

Analysis Batch: 69405

Client Sample ID: T-4 (12')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	26.8		251	288.0		mg/Kg		104	90 - 110

Lab Sample ID: 880-37028-37 MSD

Matrix: Solid

Analysis Batch: 69405

Client Sample ID: T-4 (12')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	26.8		251	281.2		mg/Kg		101	90 - 110	2	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-69316/1-A Matrix: Solid Analysis Batch: 69406										Client Sample ID: Method Blank Prep Type: Soluble	
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00		mg/Kg			12/19/23 22:41	1		

Lab Sample ID: LCS 880-69316/2-A Matrix: Solid Analysis Batch: 69406										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	265.3		mg/Kg		106	90 - 110		

Lab Sample ID: LCSD 880-69316/3-A Matrix: Solid Analysis Batch: 69406										Client Sample ID: Lab Control Sample Dup Prep Type: Soluble	
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	259.9		mg/Kg		104	90 - 110	2	20

Lab Sample ID: 880-37028-67 MS Matrix: Solid Analysis Batch: 69406										Client Sample ID: T-8 (5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	119		252	381.8		mg/Kg		105	90 - 110		

Lab Sample ID: 880-37028-67 MSD Matrix: Solid Analysis Batch: 69406										Client Sample ID: T-8 (5') Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	119		252	375.2		mg/Kg		102	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

GC VOA

Analysis Batch: 69271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-1	T-1 (0-1.0')	Total/NA	Solid	8021B	69291
880-37028-2	T-1 (1.5')	Total/NA	Solid	8021B	69291
880-37028-3	T-1 (2.0')	Total/NA	Solid	8021B	69291
880-37028-4	T-2 (0-1.0')	Total/NA	Solid	8021B	69291
880-37028-5	T-2 (1.5')	Total/NA	Solid	8021B	69291
880-37028-6	T-2 (2')	Total/NA	Solid	8021B	69291
880-37028-7	T-2 (3')	Total/NA	Solid	8021B	69291
880-37028-8	T-2 (4')	Total/NA	Solid	8021B	69291
880-37028-9	T-2 (5')	Total/NA	Solid	8021B	69291
880-37028-10	T-2 (6')	Total/NA	Solid	8021B	69291
880-37028-11	T-2 (7')	Total/NA	Solid	8021B	69291
880-37028-12	T-2 (8')	Total/NA	Solid	8021B	69291
880-37028-13	T-2 (9')	Total/NA	Solid	8021B	69291
880-37028-14	T-2 (10')	Total/NA	Solid	8021B	69291
880-37028-15	T-2 (12')	Total/NA	Solid	8021B	69291
880-37028-16	T-2 (11')	Total/NA	Solid	8021B	69291
880-37028-17	T-3 (0-1')	Total/NA	Solid	8021B	69291
880-37028-18	T-3 (1.5')	Total/NA	Solid	8021B	69291
880-37028-19	T-3 (2')	Total/NA	Solid	8021B	69291
880-37028-20	T-3 (3')	Total/NA	Solid	8021B	69291
MB 880-69271/8	Method Blank	Total/NA	Solid	8021B	
MB 880-69291/5-A	Method Blank	Total/NA	Solid	8021B	69291
LCS 880-69291/1-A	Lab Control Sample	Total/NA	Solid	8021B	69291
LCSD 880-69291/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	69291
880-37028-1 MS	T-1 (0-1.0')	Total/NA	Solid	8021B	69291
880-37028-1 MSD	T-1 (0-1.0')	Total/NA	Solid	8021B	69291

Prep Batch: 69291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-1	T-1 (0-1.0')	Total/NA	Solid	5035	
880-37028-2	T-1 (1.5')	Total/NA	Solid	5035	
880-37028-3	T-1 (2.0')	Total/NA	Solid	5035	
880-37028-4	T-2 (0-1.0')	Total/NA	Solid	5035	
880-37028-5	T-2 (1.5')	Total/NA	Solid	5035	
880-37028-6	T-2 (2')	Total/NA	Solid	5035	
880-37028-7	T-2 (3')	Total/NA	Solid	5035	
880-37028-8	T-2 (4')	Total/NA	Solid	5035	
880-37028-9	T-2 (5')	Total/NA	Solid	5035	
880-37028-10	T-2 (6')	Total/NA	Solid	5035	
880-37028-11	T-2 (7')	Total/NA	Solid	5035	
880-37028-12	T-2 (8')	Total/NA	Solid	5035	
880-37028-13	T-2 (9')	Total/NA	Solid	5035	
880-37028-14	T-2 (10')	Total/NA	Solid	5035	
880-37028-15	T-2 (12')	Total/NA	Solid	5035	
880-37028-16	T-2 (11')	Total/NA	Solid	5035	
880-37028-17	T-3 (0-1')	Total/NA	Solid	5035	
880-37028-18	T-3 (1.5')	Total/NA	Solid	5035	
880-37028-19	T-3 (2')	Total/NA	Solid	5035	
880-37028-20	T-3 (3')	Total/NA	Solid	5035	
MB 880-69291/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-69291/1-A	Lab Control Sample	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

GC VOA (Continued)

Prep Batch: 69291 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-69291/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-37028-1 MS	T-1 (0-1.0')	Total/NA	Solid	5035	
880-37028-1 MSD	T-1 (0-1.0')	Total/NA	Solid	5035	

Prep Batch: 69292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-21	T-3 (4')	Total/NA	Solid	5035	
880-37028-22	T-3 (5')	Total/NA	Solid	5035	
880-37028-23	T-3 (6')	Total/NA	Solid	5035	
880-37028-24	T-3 (7')	Total/NA	Solid	5035	
880-37028-25	T-4 (0-1.0')	Total/NA	Solid	5035	
880-37028-26	T-4 (1.5')	Total/NA	Solid	5035	
880-37028-27	T-4 (2')	Total/NA	Solid	5035	
880-37028-28	T-4 (3')	Total/NA	Solid	5035	
880-37028-29	T-4 (4')	Total/NA	Solid	5035	
880-37028-30	T-4 (5')	Total/NA	Solid	5035	
880-37028-31	T-4 (6')	Total/NA	Solid	5035	
880-37028-32	T-4 (7')	Total/NA	Solid	5035	
880-37028-33	T-4 (8')	Total/NA	Solid	5035	
880-37028-34	T-4 (9')	Total/NA	Solid	5035	
880-37028-35	T-4 (10')	Total/NA	Solid	5035	
880-37028-36	T-4 (11')	Total/NA	Solid	5035	
880-37028-37	T-4 (12')	Total/NA	Solid	5035	
880-37028-38	T-5 (0-1.0')	Total/NA	Solid	5035	
880-37028-39	T-5 (1.5')	Total/NA	Solid	5035	
880-37028-40	T-5 (2')	Total/NA	Solid	5035	
MB 880-69292/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-69292/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-69292/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-37028-21 MS	T-3 (4')	Total/NA	Solid	5035	
880-37028-21 MSD	T-3 (4')	Total/NA	Solid	5035	

Prep Batch: 69312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-41	T-5 (3')	Total/NA	Solid	5035	
880-37028-42	T-5 (4')	Total/NA	Solid	5035	
880-37028-43	T-5 (5')	Total/NA	Solid	5035	
880-37028-44	T-5 (6')	Total/NA	Solid	5035	
880-37028-45	T-5 (7')	Total/NA	Solid	5035	
880-37028-46	T-5 (8')	Total/NA	Solid	5035	
880-37028-47	T-5 (9')	Total/NA	Solid	5035	
880-37028-48	T-5 (10')	Total/NA	Solid	5035	
880-37028-49	T-5 (11')	Total/NA	Solid	5035	
880-37028-50	T-6 (0-1.0')	Total/NA	Solid	5035	
880-37028-51	T-6 (1.5')	Total/NA	Solid	5035	
880-37028-52	T-6 (2')	Total/NA	Solid	5035	
880-37028-53	T-6 (3')	Total/NA	Solid	5035	
880-37028-54	T-6 (4')	Total/NA	Solid	5035	
880-37028-55	T-6 (5')	Total/NA	Solid	5035	
880-37028-56	T-6 (6')	Total/NA	Solid	5035	
880-37028-57	T-7 (0-1.0')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

GC VOA (Continued)

Prep Batch: 69312 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-58	T-7 (1.5')	Total/NA	Solid	5035	
880-37028-59	T-7 (2')	Total/NA	Solid	5035	
880-37028-60	T-7 (3')	Total/NA	Solid	5035	
MB 880-69312/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-69312/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-69312/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-37028-41 MS	T-5 (3')	Total/NA	Solid	5035	
880-37028-41 MSD	T-5 (3')	Total/NA	Solid	5035	

Prep Batch: 69313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-61	T-7 (4')	Total/NA	Solid	5035	
880-37028-62	T-8 (0-1.0')	Total/NA	Solid	5035	
880-37028-63	T-8 (1.5')	Total/NA	Solid	5035	
880-37028-64	T-8 (2')	Total/NA	Solid	5035	
880-37028-65	T-8 (3')	Total/NA	Solid	5035	
880-37028-66	T-8 (4')	Total/NA	Solid	5035	
880-37028-67	T-8 (5')	Total/NA	Solid	5035	
880-37028-68	T-8 (6')	Total/NA	Solid	5035	
MB 880-69313/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-69313/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-69313/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 69397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-1	T-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-37028-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-37028-3	T-1 (2.0')	Total/NA	Solid	Total BTEX	
880-37028-4	T-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-37028-5	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-37028-6	T-2 (2')	Total/NA	Solid	Total BTEX	
880-37028-7	T-2 (3')	Total/NA	Solid	Total BTEX	
880-37028-8	T-2 (4')	Total/NA	Solid	Total BTEX	
880-37028-9	T-2 (5')	Total/NA	Solid	Total BTEX	
880-37028-10	T-2 (6')	Total/NA	Solid	Total BTEX	
880-37028-11	T-2 (7')	Total/NA	Solid	Total BTEX	
880-37028-12	T-2 (8')	Total/NA	Solid	Total BTEX	
880-37028-13	T-2 (9')	Total/NA	Solid	Total BTEX	
880-37028-14	T-2 (10')	Total/NA	Solid	Total BTEX	
880-37028-15	T-2 (12')	Total/NA	Solid	Total BTEX	
880-37028-16	T-2 (11')	Total/NA	Solid	Total BTEX	
880-37028-17	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-37028-18	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-37028-19	T-3 (2')	Total/NA	Solid	Total BTEX	
880-37028-20	T-3 (3')	Total/NA	Solid	Total BTEX	
880-37028-21	T-3 (4')	Total/NA	Solid	Total BTEX	
880-37028-22	T-3 (5')	Total/NA	Solid	Total BTEX	
880-37028-23	T-3 (6')	Total/NA	Solid	Total BTEX	
880-37028-24	T-3 (7')	Total/NA	Solid	Total BTEX	
880-37028-25	T-4 (0-1.0')	Total/NA	Solid	Total BTEX	
880-37028-26	T-4 (1.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

GC VOA (Continued)

Analysis Batch: 69397 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-27	T-4 (2')	Total/NA	Solid	Total BTEX	
880-37028-28	T-4 (3')	Total/NA	Solid	Total BTEX	
880-37028-29	T-4 (4')	Total/NA	Solid	Total BTEX	
880-37028-30	T-4 (5')	Total/NA	Solid	Total BTEX	
880-37028-31	T-4 (6')	Total/NA	Solid	Total BTEX	
880-37028-32	T-4 (7')	Total/NA	Solid	Total BTEX	
880-37028-33	T-4 (8')	Total/NA	Solid	Total BTEX	
880-37028-34	T-4 (9')	Total/NA	Solid	Total BTEX	
880-37028-35	T-4 (10')	Total/NA	Solid	Total BTEX	
880-37028-36	T-4 (11')	Total/NA	Solid	Total BTEX	
880-37028-37	T-4 (12')	Total/NA	Solid	Total BTEX	
880-37028-38	T-5 (0-1.0')	Total/NA	Solid	Total BTEX	
880-37028-39	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-37028-40	T-5 (2')	Total/NA	Solid	Total BTEX	
880-37028-41	T-5 (3')	Total/NA	Solid	Total BTEX	
880-37028-42	T-5 (4')	Total/NA	Solid	Total BTEX	
880-37028-43	T-5 (5')	Total/NA	Solid	Total BTEX	
880-37028-44	T-5 (6')	Total/NA	Solid	Total BTEX	
880-37028-45	T-5 (7')	Total/NA	Solid	Total BTEX	
880-37028-46	T-5 (8')	Total/NA	Solid	Total BTEX	
880-37028-47	T-5 (9')	Total/NA	Solid	Total BTEX	
880-37028-48	T-5 (10')	Total/NA	Solid	Total BTEX	
880-37028-49	T-5 (11')	Total/NA	Solid	Total BTEX	
880-37028-50	T-6 (0-1.0')	Total/NA	Solid	Total BTEX	
880-37028-51	T-6 (1.5')	Total/NA	Solid	Total BTEX	
880-37028-52	T-6 (2')	Total/NA	Solid	Total BTEX	
880-37028-53	T-6 (3')	Total/NA	Solid	Total BTEX	
880-37028-54	T-6 (4')	Total/NA	Solid	Total BTEX	
880-37028-55	T-6 (5')	Total/NA	Solid	Total BTEX	
880-37028-56	T-6 (6')	Total/NA	Solid	Total BTEX	
880-37028-57	T-7 (0-1.0')	Total/NA	Solid	Total BTEX	
880-37028-58	T-7 (1.5')	Total/NA	Solid	Total BTEX	
880-37028-59	T-7 (2')	Total/NA	Solid	Total BTEX	
880-37028-60	T-7 (3')	Total/NA	Solid	Total BTEX	
880-37028-61	T-7 (4')	Total/NA	Solid	Total BTEX	
880-37028-62	T-8 (0-1.0')	Total/NA	Solid	Total BTEX	
880-37028-63	T-8 (1.5')	Total/NA	Solid	Total BTEX	
880-37028-64	T-8 (2')	Total/NA	Solid	Total BTEX	
880-37028-65	T-8 (3')	Total/NA	Solid	Total BTEX	
880-37028-66	T-8 (4')	Total/NA	Solid	Total BTEX	
880-37028-67	T-8 (5')	Total/NA	Solid	Total BTEX	
880-37028-68	T-8 (6')	Total/NA	Solid	Total BTEX	

Analysis Batch: 69426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-21	T-3 (4')	Total/NA	Solid	8021B	69292
880-37028-22	T-3 (5')	Total/NA	Solid	8021B	69292
880-37028-23	T-3 (6')	Total/NA	Solid	8021B	69292
880-37028-24	T-3 (7')	Total/NA	Solid	8021B	69292
880-37028-25	T-4 (0-1.0')	Total/NA	Solid	8021B	69292
880-37028-26	T-4 (1.5')	Total/NA	Solid	8021B	69292

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

GC VOA (Continued)

Analysis Batch: 69426 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-27	T-4 (2')	Total/NA	Solid	8021B	69292
880-37028-28	T-4 (3')	Total/NA	Solid	8021B	69292
880-37028-29	T-4 (4')	Total/NA	Solid	8021B	69292
880-37028-30	T-4 (5')	Total/NA	Solid	8021B	69292
880-37028-31	T-4 (6')	Total/NA	Solid	8021B	69292
880-37028-32	T-4 (7')	Total/NA	Solid	8021B	69292
880-37028-33	T-4 (8')	Total/NA	Solid	8021B	69292
880-37028-34	T-4 (9')	Total/NA	Solid	8021B	69292
880-37028-35	T-4 (10')	Total/NA	Solid	8021B	69292
880-37028-36	T-4 (11')	Total/NA	Solid	8021B	69292
880-37028-37	T-4 (12')	Total/NA	Solid	8021B	69292
880-37028-38	T-5 (0-1.0')	Total/NA	Solid	8021B	69292
880-37028-39	T-5 (1.5')	Total/NA	Solid	8021B	69292
880-37028-40	T-5 (2')	Total/NA	Solid	8021B	69292
880-37028-61	T-7 (4')	Total/NA	Solid	8021B	69313
880-37028-62	T-8 (0-1.0')	Total/NA	Solid	8021B	69313
880-37028-63	T-8 (1.5')	Total/NA	Solid	8021B	69313
880-37028-64	T-8 (2')	Total/NA	Solid	8021B	69313
880-37028-65	T-8 (3')	Total/NA	Solid	8021B	69313
880-37028-66	T-8 (4')	Total/NA	Solid	8021B	69313
880-37028-67	T-8 (5')	Total/NA	Solid	8021B	69313
880-37028-68	T-8 (6')	Total/NA	Solid	8021B	69313
MB 880-69292/5-A	Method Blank	Total/NA	Solid	8021B	69292
MB 880-69313/5-A	Method Blank	Total/NA	Solid	8021B	69313
LCS 880-69292/1-A	Lab Control Sample	Total/NA	Solid	8021B	69292
LCS 880-69313/1-A	Lab Control Sample	Total/NA	Solid	8021B	69313
LCSD 880-69292/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	69292
LCSD 880-69313/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	69313
880-37028-21 MS	T-3 (4')	Total/NA	Solid	8021B	69292
880-37028-21 MSD	T-3 (4')	Total/NA	Solid	8021B	69292

Analysis Batch: 69579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-41	T-5 (3')	Total/NA	Solid	8021B	69312
880-37028-42	T-5 (4')	Total/NA	Solid	8021B	69312
880-37028-43	T-5 (5')	Total/NA	Solid	8021B	69312
880-37028-44	T-5 (6')	Total/NA	Solid	8021B	69312
880-37028-45	T-5 (7')	Total/NA	Solid	8021B	69312
880-37028-46	T-5 (8')	Total/NA	Solid	8021B	69312
880-37028-47	T-5 (9')	Total/NA	Solid	8021B	69312
880-37028-48	T-5 (10')	Total/NA	Solid	8021B	69312
880-37028-49	T-5 (11')	Total/NA	Solid	8021B	69312
880-37028-50	T-6 (0-1.0')	Total/NA	Solid	8021B	69312
880-37028-51	T-6 (1.5')	Total/NA	Solid	8021B	69312
880-37028-52	T-6 (2')	Total/NA	Solid	8021B	69312
880-37028-53	T-6 (3')	Total/NA	Solid	8021B	69312
880-37028-54	T-6 (4')	Total/NA	Solid	8021B	69312
880-37028-55	T-6 (5')	Total/NA	Solid	8021B	69312
880-37028-56	T-6 (6')	Total/NA	Solid	8021B	69312
880-37028-57	T-7 (0-1.0')	Total/NA	Solid	8021B	69312
880-37028-58	T-7 (1.5')	Total/NA	Solid	8021B	69312

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

GC VOA (Continued)

Analysis Batch: 69579 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-59	T-7 (2')	Total/NA	Solid	8021B	69312
880-37028-60	T-7 (3')	Total/NA	Solid	8021B	69312
MB 880-69312/5-A	Method Blank	Total/NA	Solid	8021B	69312
LCS 880-69312/1-A	Lab Control Sample	Total/NA	Solid	8021B	69312
LCSD 880-69312/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	69312
880-37028-41 MS	T-5 (3')	Total/NA	Solid	8021B	69312
880-37028-41 MSD	T-5 (3')	Total/NA	Solid	8021B	69312

GC Semi VOA

Prep Batch: 69253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-1	T-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-37028-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-37028-3	T-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-37028-4	T-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-37028-5	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-37028-6	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-37028-7	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-37028-8	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-37028-9	T-2 (5')	Total/NA	Solid	8015NM Prep	
880-37028-10	T-2 (6')	Total/NA	Solid	8015NM Prep	
880-37028-11	T-2 (7')	Total/NA	Solid	8015NM Prep	
880-37028-12	T-2 (8')	Total/NA	Solid	8015NM Prep	
880-37028-13	T-2 (9')	Total/NA	Solid	8015NM Prep	
880-37028-14	T-2 (10')	Total/NA	Solid	8015NM Prep	
880-37028-15	T-2 (12')	Total/NA	Solid	8015NM Prep	
880-37028-16	T-2 (11')	Total/NA	Solid	8015NM Prep	
880-37028-17	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-37028-18	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-37028-19	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-37028-20	T-3 (3')	Total/NA	Solid	8015NM Prep	
MB 880-69253/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-69253/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-69253/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-37028-2 MS	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-37028-2 MSD	T-1 (1.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 69255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-21	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-37028-22	T-3 (5')	Total/NA	Solid	8015NM Prep	
880-37028-23	T-3 (6')	Total/NA	Solid	8015NM Prep	
880-37028-24	T-3 (7')	Total/NA	Solid	8015NM Prep	
880-37028-25	T-4 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-37028-26	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-37028-27	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-37028-28	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-37028-29	T-4 (4')	Total/NA	Solid	8015NM Prep	
880-37028-30	T-4 (5')	Total/NA	Solid	8015NM Prep	
880-37028-31	T-4 (6')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Prep Batch: 69255 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-32	T-4 (7')	Total/NA	Solid	8015NM Prep	
880-37028-33	T-4 (8')	Total/NA	Solid	8015NM Prep	
880-37028-34	T-4 (9')	Total/NA	Solid	8015NM Prep	
880-37028-35	T-4 (10')	Total/NA	Solid	8015NM Prep	
880-37028-36	T-4 (11')	Total/NA	Solid	8015NM Prep	
880-37028-37	T-4 (12')	Total/NA	Solid	8015NM Prep	
880-37028-38	T-5 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-37028-39	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-37028-40	T-5 (2')	Total/NA	Solid	8015NM Prep	
MB 880-69255/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-69255/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-69255/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-37028-21 MS	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-37028-21 MSD	T-3 (4')	Total/NA	Solid	8015NM Prep	

Prep Batch: 69256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-41	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-37028-42	T-5 (4')	Total/NA	Solid	8015NM Prep	
880-37028-43	T-5 (5')	Total/NA	Solid	8015NM Prep	
880-37028-44	T-5 (6')	Total/NA	Solid	8015NM Prep	
880-37028-45	T-5 (7')	Total/NA	Solid	8015NM Prep	
880-37028-46	T-5 (8')	Total/NA	Solid	8015NM Prep	
880-37028-47	T-5 (9')	Total/NA	Solid	8015NM Prep	
880-37028-48	T-5 (10')	Total/NA	Solid	8015NM Prep	
880-37028-49	T-5 (11')	Total/NA	Solid	8015NM Prep	
880-37028-50	T-6 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-37028-51	T-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-37028-52	T-6 (2')	Total/NA	Solid	8015NM Prep	
880-37028-53	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-37028-54	T-6 (4')	Total/NA	Solid	8015NM Prep	
880-37028-55	T-6 (5')	Total/NA	Solid	8015NM Prep	
880-37028-56	T-6 (6')	Total/NA	Solid	8015NM Prep	
880-37028-57	T-7 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-37028-58	T-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-37028-59	T-7 (2')	Total/NA	Solid	8015NM Prep	
880-37028-60	T-7 (3')	Total/NA	Solid	8015NM Prep	
MB 880-69256/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-69256/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-69256/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-37028-41 MS	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-37028-41 MSD	T-5 (3')	Total/NA	Solid	8015NM Prep	

Prep Batch: 69258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-61	T-7 (4')	Total/NA	Solid	8015NM Prep	
880-37028-62	T-8 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-37028-63	T-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-37028-64	T-8 (2')	Total/NA	Solid	8015NM Prep	
880-37028-65	T-8 (3')	Total/NA	Solid	8015NM Prep	
880-37028-66	T-8 (4')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Prep Batch: 69258 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-67	T-8 (5')	Total/NA	Solid	8015NM Prep	
880-37028-68	T-8 (6')	Total/NA	Solid	8015NM Prep	
MB 880-69258/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-69258/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-69258/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-37028-61 MS	T-7 (4')	Total/NA	Solid	8015NM Prep	
880-37028-61 MSD	T-7 (4')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 69259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-1	T-1 (0-1.0')	Total/NA	Solid	8015B NM	69253
880-37028-2	T-1 (1.5')	Total/NA	Solid	8015B NM	69253
880-37028-3	T-1 (2.0')	Total/NA	Solid	8015B NM	69253
880-37028-4	T-2 (0-1.0')	Total/NA	Solid	8015B NM	69253
880-37028-5	T-2 (1.5')	Total/NA	Solid	8015B NM	69253
880-37028-6	T-2 (2')	Total/NA	Solid	8015B NM	69253
880-37028-7	T-2 (3')	Total/NA	Solid	8015B NM	69253
880-37028-8	T-2 (4')	Total/NA	Solid	8015B NM	69253
880-37028-9	T-2 (5')	Total/NA	Solid	8015B NM	69253
880-37028-10	T-2 (6')	Total/NA	Solid	8015B NM	69253
880-37028-11	T-2 (7')	Total/NA	Solid	8015B NM	69253
880-37028-12	T-2 (8')	Total/NA	Solid	8015B NM	69253
880-37028-13	T-2 (9')	Total/NA	Solid	8015B NM	69253
880-37028-14	T-2 (10')	Total/NA	Solid	8015B NM	69253
880-37028-15	T-2 (12')	Total/NA	Solid	8015B NM	69253
880-37028-16	T-2 (11')	Total/NA	Solid	8015B NM	69253
880-37028-17	T-3 (0-1')	Total/NA	Solid	8015B NM	69253
880-37028-18	T-3 (1.5')	Total/NA	Solid	8015B NM	69253
880-37028-19	T-3 (2')	Total/NA	Solid	8015B NM	69253
880-37028-20	T-3 (3')	Total/NA	Solid	8015B NM	69253
880-37028-21	T-3 (4')	Total/NA	Solid	8015B NM	69255
880-37028-22	T-3 (5')	Total/NA	Solid	8015B NM	69255
880-37028-23	T-3 (6')	Total/NA	Solid	8015B NM	69255
880-37028-24	T-3 (7')	Total/NA	Solid	8015B NM	69255
880-37028-25	T-4 (0-1.0')	Total/NA	Solid	8015B NM	69255
880-37028-26	T-4 (1.5')	Total/NA	Solid	8015B NM	69255
880-37028-27	T-4 (2')	Total/NA	Solid	8015B NM	69255
880-37028-28	T-4 (3')	Total/NA	Solid	8015B NM	69255
880-37028-29	T-4 (4')	Total/NA	Solid	8015B NM	69255
880-37028-30	T-4 (5')	Total/NA	Solid	8015B NM	69255
880-37028-31	T-4 (6')	Total/NA	Solid	8015B NM	69255
880-37028-32	T-4 (7')	Total/NA	Solid	8015B NM	69255
880-37028-33	T-4 (8')	Total/NA	Solid	8015B NM	69255
880-37028-34	T-4 (9')	Total/NA	Solid	8015B NM	69255
880-37028-35	T-4 (10')	Total/NA	Solid	8015B NM	69255
880-37028-36	T-4 (11')	Total/NA	Solid	8015B NM	69255
880-37028-37	T-4 (12')	Total/NA	Solid	8015B NM	69255
880-37028-38	T-5 (0-1.0')	Total/NA	Solid	8015B NM	69255
880-37028-39	T-5 (1.5')	Total/NA	Solid	8015B NM	69255
880-37028-40	T-5 (2')	Total/NA	Solid	8015B NM	69255
MB 880-69253/1-A	Method Blank	Total/NA	Solid	8015B NM	69253

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 69259 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-69255/1-A	Method Blank	Total/NA	Solid	8015B NM	69255
LCS 880-69253/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	69253
LCS 880-69255/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	69255
LCSD 880-69253/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	69253
LCSD 880-69255/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	69255
880-37028-2 MS	T-1 (1.5')	Total/NA	Solid	8015B NM	69253
880-37028-2 MSD	T-1 (1.5')	Total/NA	Solid	8015B NM	69253
880-37028-21 MS	T-3 (4')	Total/NA	Solid	8015B NM	69255
880-37028-21 MSD	T-3 (4')	Total/NA	Solid	8015B NM	69255

Analysis Batch: 69261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-41	T-5 (3')	Total/NA	Solid	8015B NM	69256
880-37028-42	T-5 (4')	Total/NA	Solid	8015B NM	69256
880-37028-43	T-5 (5')	Total/NA	Solid	8015B NM	69256
880-37028-44	T-5 (6')	Total/NA	Solid	8015B NM	69256
880-37028-45	T-5 (7')	Total/NA	Solid	8015B NM	69256
880-37028-46	T-5 (8')	Total/NA	Solid	8015B NM	69256
880-37028-47	T-5 (9')	Total/NA	Solid	8015B NM	69256
880-37028-48	T-5 (10')	Total/NA	Solid	8015B NM	69256
880-37028-49	T-5 (11')	Total/NA	Solid	8015B NM	69256
880-37028-50	T-6 (0-1.0')	Total/NA	Solid	8015B NM	69256
880-37028-51	T-6 (1.5')	Total/NA	Solid	8015B NM	69256
880-37028-52	T-6 (2')	Total/NA	Solid	8015B NM	69256
880-37028-53	T-6 (3')	Total/NA	Solid	8015B NM	69256
880-37028-54	T-6 (4')	Total/NA	Solid	8015B NM	69256
880-37028-55	T-6 (5')	Total/NA	Solid	8015B NM	69256
880-37028-56	T-6 (6')	Total/NA	Solid	8015B NM	69256
880-37028-57	T-7 (0-1.0')	Total/NA	Solid	8015B NM	69256
880-37028-58	T-7 (1.5')	Total/NA	Solid	8015B NM	69256
880-37028-59	T-7 (2')	Total/NA	Solid	8015B NM	69256
880-37028-60	T-7 (3')	Total/NA	Solid	8015B NM	69256
880-37028-61	T-7 (4')	Total/NA	Solid	8015B NM	69258
880-37028-62	T-8 (0-1.0')	Total/NA	Solid	8015B NM	69258
880-37028-63	T-8 (1.5')	Total/NA	Solid	8015B NM	69258
880-37028-64	T-8 (2')	Total/NA	Solid	8015B NM	69258
880-37028-65	T-8 (3')	Total/NA	Solid	8015B NM	69258
880-37028-66	T-8 (4')	Total/NA	Solid	8015B NM	69258
880-37028-67	T-8 (5')	Total/NA	Solid	8015B NM	69258
880-37028-68	T-8 (6')	Total/NA	Solid	8015B NM	69258
MB 880-69256/1-A	Method Blank	Total/NA	Solid	8015B NM	69256
MB 880-69258/1-A	Method Blank	Total/NA	Solid	8015B NM	69258
LCS 880-69256/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	69256
LCS 880-69258/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	69258
LCSD 880-69256/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	69256
LCSD 880-69258/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	69258
880-37028-41 MS	T-5 (3')	Total/NA	Solid	8015B NM	69256
880-37028-41 MSD	T-5 (3')	Total/NA	Solid	8015B NM	69256
880-37028-61 MS	T-7 (4')	Total/NA	Solid	8015B NM	69258
880-37028-61 MSD	T-7 (4')	Total/NA	Solid	8015B NM	69258

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

GC Semi VOA

Analysis Batch: 69305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-1	T-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-37028-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-37028-3	T-1 (2.0')	Total/NA	Solid	8015 NM	
880-37028-4	T-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-37028-5	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-37028-6	T-2 (2')	Total/NA	Solid	8015 NM	
880-37028-7	T-2 (3')	Total/NA	Solid	8015 NM	
880-37028-8	T-2 (4')	Total/NA	Solid	8015 NM	
880-37028-9	T-2 (5')	Total/NA	Solid	8015 NM	
880-37028-10	T-2 (6')	Total/NA	Solid	8015 NM	
880-37028-11	T-2 (7')	Total/NA	Solid	8015 NM	
880-37028-12	T-2 (8')	Total/NA	Solid	8015 NM	
880-37028-13	T-2 (9')	Total/NA	Solid	8015 NM	
880-37028-14	T-2 (10')	Total/NA	Solid	8015 NM	
880-37028-15	T-2 (12')	Total/NA	Solid	8015 NM	
880-37028-16	T-2 (11')	Total/NA	Solid	8015 NM	
880-37028-17	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-37028-18	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-37028-19	T-3 (2')	Total/NA	Solid	8015 NM	
880-37028-20	T-3 (3')	Total/NA	Solid	8015 NM	
880-37028-21	T-3 (4')	Total/NA	Solid	8015 NM	
880-37028-22	T-3 (5')	Total/NA	Solid	8015 NM	
880-37028-23	T-3 (6')	Total/NA	Solid	8015 NM	
880-37028-24	T-3 (7')	Total/NA	Solid	8015 NM	
880-37028-25	T-4 (0-1.0')	Total/NA	Solid	8015 NM	
880-37028-26	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-37028-27	T-4 (2')	Total/NA	Solid	8015 NM	
880-37028-28	T-4 (3')	Total/NA	Solid	8015 NM	
880-37028-29	T-4 (4')	Total/NA	Solid	8015 NM	
880-37028-30	T-4 (5')	Total/NA	Solid	8015 NM	
880-37028-31	T-4 (6')	Total/NA	Solid	8015 NM	
880-37028-32	T-4 (7')	Total/NA	Solid	8015 NM	
880-37028-33	T-4 (8')	Total/NA	Solid	8015 NM	
880-37028-34	T-4 (9')	Total/NA	Solid	8015 NM	
880-37028-35	T-4 (10')	Total/NA	Solid	8015 NM	
880-37028-36	T-4 (11')	Total/NA	Solid	8015 NM	
880-37028-37	T-4 (12')	Total/NA	Solid	8015 NM	
880-37028-38	T-5 (0-1.0')	Total/NA	Solid	8015 NM	
880-37028-39	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-37028-40	T-5 (2')	Total/NA	Solid	8015 NM	
880-37028-41	T-5 (3')	Total/NA	Solid	8015 NM	
880-37028-42	T-5 (4')	Total/NA	Solid	8015 NM	
880-37028-43	T-5 (5')	Total/NA	Solid	8015 NM	
880-37028-44	T-5 (6')	Total/NA	Solid	8015 NM	
880-37028-45	T-5 (7')	Total/NA	Solid	8015 NM	
880-37028-46	T-5 (8')	Total/NA	Solid	8015 NM	
880-37028-47	T-5 (9')	Total/NA	Solid	8015 NM	
880-37028-48	T-5 (10')	Total/NA	Solid	8015 NM	
880-37028-49	T-5 (11')	Total/NA	Solid	8015 NM	
880-37028-50	T-6 (0-1.0')	Total/NA	Solid	8015 NM	
880-37028-51	T-6 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 69305 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-52	T-6 (2')	Total/NA	Solid	8015 NM	
880-37028-53	T-6 (3')	Total/NA	Solid	8015 NM	
880-37028-54	T-6 (4')	Total/NA	Solid	8015 NM	
880-37028-55	T-6 (5')	Total/NA	Solid	8015 NM	
880-37028-56	T-6 (6')	Total/NA	Solid	8015 NM	
880-37028-57	T-7 (0-1.0')	Total/NA	Solid	8015 NM	
880-37028-58	T-7 (1.5')	Total/NA	Solid	8015 NM	
880-37028-59	T-7 (2')	Total/NA	Solid	8015 NM	
880-37028-60	T-7 (3')	Total/NA	Solid	8015 NM	
880-37028-61	T-7 (4')	Total/NA	Solid	8015 NM	
880-37028-62	T-8 (0-1.0')	Total/NA	Solid	8015 NM	
880-37028-63	T-8 (1.5')	Total/NA	Solid	8015 NM	
880-37028-64	T-8 (2')	Total/NA	Solid	8015 NM	
880-37028-65	T-8 (3')	Total/NA	Solid	8015 NM	
880-37028-66	T-8 (4')	Total/NA	Solid	8015 NM	
880-37028-67	T-8 (5')	Total/NA	Solid	8015 NM	
880-37028-68	T-8 (6')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 69243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-7	T-2 (3')	Soluble	Solid	DI Leach	
880-37028-8	T-2 (4')	Soluble	Solid	DI Leach	
880-37028-9	T-2 (5')	Soluble	Solid	DI Leach	
880-37028-10	T-2 (6')	Soluble	Solid	DI Leach	
880-37028-11	T-2 (7')	Soluble	Solid	DI Leach	
880-37028-12	T-2 (8')	Soluble	Solid	DI Leach	
880-37028-13	T-2 (9')	Soluble	Solid	DI Leach	
880-37028-14	T-2 (10')	Soluble	Solid	DI Leach	
880-37028-15	T-2 (12')	Soluble	Solid	DI Leach	
880-37028-16	T-2 (11')	Soluble	Solid	DI Leach	
880-37028-17	T-3 (0-1')	Soluble	Solid	DI Leach	
880-37028-18	T-3 (1.5')	Soluble	Solid	DI Leach	
880-37028-19	T-3 (2')	Soluble	Solid	DI Leach	
880-37028-20	T-3 (3')	Soluble	Solid	DI Leach	
880-37028-21	T-3 (4')	Soluble	Solid	DI Leach	
880-37028-22	T-3 (5')	Soluble	Solid	DI Leach	
880-37028-23	T-3 (6')	Soluble	Solid	DI Leach	
880-37028-24	T-3 (7')	Soluble	Solid	DI Leach	
880-37028-25	T-4 (0-1.0')	Soluble	Solid	DI Leach	
880-37028-26	T-4 (1.5')	Soluble	Solid	DI Leach	
MB 880-69243/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-69243/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-69243/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-37028-8 MS	T-2 (4')	Soluble	Solid	DI Leach	
880-37028-8 MSD	T-2 (4')	Soluble	Solid	DI Leach	
880-37028-17 MS	T-3 (0-1')	Soluble	Solid	DI Leach	
880-37028-17 MSD	T-3 (0-1')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

HPLC/IC

Leach Batch: 69244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-27	T-4 (2')	Soluble	Solid	DI Leach	
880-37028-28	T-4 (3')	Soluble	Solid	DI Leach	
880-37028-29	T-4 (4')	Soluble	Solid	DI Leach	
880-37028-30	T-4 (5')	Soluble	Solid	DI Leach	
880-37028-31	T-4 (6')	Soluble	Solid	DI Leach	
880-37028-32	T-4 (7')	Soluble	Solid	DI Leach	
880-37028-33	T-4 (8')	Soluble	Solid	DI Leach	
880-37028-34	T-4 (9')	Soluble	Solid	DI Leach	
880-37028-35	T-4 (10')	Soluble	Solid	DI Leach	
880-37028-36	T-4 (11')	Soluble	Solid	DI Leach	
880-37028-37	T-4 (12')	Soluble	Solid	DI Leach	
880-37028-38	T-5 (0-1.0')	Soluble	Solid	DI Leach	
880-37028-39	T-5 (1.5')	Soluble	Solid	DI Leach	
880-37028-40	T-5 (2')	Soluble	Solid	DI Leach	
880-37028-41	T-5 (3')	Soluble	Solid	DI Leach	
880-37028-42	T-5 (4')	Soluble	Solid	DI Leach	
880-37028-43	T-5 (5')	Soluble	Solid	DI Leach	
880-37028-44	T-5 (6')	Soluble	Solid	DI Leach	
880-37028-45	T-5 (7')	Soluble	Solid	DI Leach	
880-37028-46	T-5 (8')	Soluble	Solid	DI Leach	
MB 880-69244/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-69244/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-69244/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-37028-27 MS	T-4 (2')	Soluble	Solid	DI Leach	
880-37028-27 MSD	T-4 (2')	Soluble	Solid	DI Leach	
880-37028-37 MS	T-4 (12')	Soluble	Solid	DI Leach	
880-37028-37 MSD	T-4 (12')	Soluble	Solid	DI Leach	

Leach Batch: 69245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-47	T-5 (9')	Soluble	Solid	DI Leach	
880-37028-48	T-5 (10')	Soluble	Solid	DI Leach	
880-37028-49	T-5 (11')	Soluble	Solid	DI Leach	
880-37028-50	T-6 (0-1.0')	Soluble	Solid	DI Leach	
880-37028-51	T-6 (1.5')	Soluble	Solid	DI Leach	
880-37028-52	T-6 (2')	Soluble	Solid	DI Leach	
880-37028-53	T-6 (3')	Soluble	Solid	DI Leach	
880-37028-54	T-6 (4')	Soluble	Solid	DI Leach	
880-37028-55	T-6 (5')	Soluble	Solid	DI Leach	
880-37028-56	T-6 (6')	Soluble	Solid	DI Leach	
880-37028-57	T-7 (0-1.0')	Soluble	Solid	DI Leach	
880-37028-58	T-7 (1.5')	Soluble	Solid	DI Leach	
880-37028-59	T-7 (2')	Soluble	Solid	DI Leach	
880-37028-60	T-7 (3')	Soluble	Solid	DI Leach	
880-37028-61	T-7 (4')	Soluble	Solid	DI Leach	
880-37028-62	T-8 (0-1.0')	Soluble	Solid	DI Leach	
880-37028-63	T-8 (1.5')	Soluble	Solid	DI Leach	
880-37028-64	T-8 (2')	Soluble	Solid	DI Leach	
880-37028-65	T-8 (3')	Soluble	Solid	DI Leach	
880-37028-66	T-8 (4')	Soluble	Solid	DI Leach	
MB 880-69245/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Leach Batch: 69245 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-69245/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-69245/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-37028-47 MS	T-5 (9')	Soluble	Solid	DI Leach	
880-37028-47 MSD	T-5 (9')	Soluble	Solid	DI Leach	
880-37028-57 MS	T-7 (0-1.0')	Soluble	Solid	DI Leach	
880-37028-57 MSD	T-7 (0-1.0')	Soluble	Solid	DI Leach	

Leach Batch: 69276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-1	T-1 (0-1.0')	Soluble	Solid	DI Leach	
880-37028-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-37028-3	T-1 (2.0')	Soluble	Solid	DI Leach	
880-37028-4	T-2 (0-1.0')	Soluble	Solid	DI Leach	
880-37028-5	T-2 (1.5')	Soluble	Solid	DI Leach	
880-37028-6	T-2 (2')	Soluble	Solid	DI Leach	
MB 880-69276/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-69276/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-69276/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-37027-A-19-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-37027-A-19-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 69316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-67	T-8 (5')	Soluble	Solid	DI Leach	
880-37028-68	T-8 (6')	Soluble	Solid	DI Leach	
MB 880-69316/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-69316/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-69316/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-37028-67 MS	T-8 (5')	Soluble	Solid	DI Leach	
880-37028-67 MSD	T-8 (5')	Soluble	Solid	DI Leach	

Analysis Batch: 69317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-47	T-5 (9')	Soluble	Solid	300.0	69245
880-37028-48	T-5 (10')	Soluble	Solid	300.0	69245
880-37028-49	T-5 (11')	Soluble	Solid	300.0	69245
880-37028-50	T-6 (0-1.0')	Soluble	Solid	300.0	69245
880-37028-51	T-6 (1.5')	Soluble	Solid	300.0	69245
880-37028-52	T-6 (2')	Soluble	Solid	300.0	69245
880-37028-53	T-6 (3')	Soluble	Solid	300.0	69245
880-37028-54	T-6 (4')	Soluble	Solid	300.0	69245
880-37028-55	T-6 (5')	Soluble	Solid	300.0	69245
880-37028-56	T-6 (6')	Soluble	Solid	300.0	69245
880-37028-57	T-7 (0-1.0')	Soluble	Solid	300.0	69245
880-37028-58	T-7 (1.5')	Soluble	Solid	300.0	69245
880-37028-59	T-7 (2')	Soluble	Solid	300.0	69245
880-37028-60	T-7 (3')	Soluble	Solid	300.0	69245
880-37028-61	T-7 (4')	Soluble	Solid	300.0	69245
880-37028-62	T-8 (0-1.0')	Soluble	Solid	300.0	69245
880-37028-63	T-8 (1.5')	Soluble	Solid	300.0	69245
880-37028-64	T-8 (2')	Soluble	Solid	300.0	69245

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Analysis Batch: 69317 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-65	T-8 (3')	Soluble	Solid	300.0	69245
880-37028-66	T-8 (4')	Soluble	Solid	300.0	69245
MB 880-69245/1-A	Method Blank	Soluble	Solid	300.0	69245
LCS 880-69245/2-A	Lab Control Sample	Soluble	Solid	300.0	69245
LCSD 880-69245/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	69245
880-37028-47 MS	T-5 (9')	Soluble	Solid	300.0	69245
880-37028-47 MSD	T-5 (9')	Soluble	Solid	300.0	69245
880-37028-57 MS	T-7 (0-1.0')	Soluble	Solid	300.0	69245
880-37028-57 MSD	T-7 (0-1.0')	Soluble	Solid	300.0	69245

Analysis Batch: 69318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-1	T-1 (0-1.0')	Soluble	Solid	300.0	69276
880-37028-2	T-1 (1.5')	Soluble	Solid	300.0	69276
880-37028-3	T-1 (2.0')	Soluble	Solid	300.0	69276
880-37028-4	T-2 (0-1.0')	Soluble	Solid	300.0	69276
880-37028-5	T-2 (1.5')	Soluble	Solid	300.0	69276
880-37028-6	T-2 (2')	Soluble	Solid	300.0	69276
MB 880-69276/1-A	Method Blank	Soluble	Solid	300.0	69276
LCS 880-69276/2-A	Lab Control Sample	Soluble	Solid	300.0	69276
LCSD 880-69276/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	69276
880-37027-A-19-C MS	Matrix Spike	Soluble	Solid	300.0	69276
880-37027-A-19-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	69276

Analysis Batch: 69319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-7	T-2 (3')	Soluble	Solid	300.0	69243
880-37028-8	T-2 (4')	Soluble	Solid	300.0	69243
880-37028-9	T-2 (5')	Soluble	Solid	300.0	69243
880-37028-10	T-2 (6')	Soluble	Solid	300.0	69243
880-37028-11	T-2 (7')	Soluble	Solid	300.0	69243
880-37028-12	T-2 (8')	Soluble	Solid	300.0	69243
880-37028-13	T-2 (9')	Soluble	Solid	300.0	69243
880-37028-14	T-2 (10')	Soluble	Solid	300.0	69243
880-37028-15	T-2 (12')	Soluble	Solid	300.0	69243
880-37028-16	T-2 (11')	Soluble	Solid	300.0	69243
880-37028-17	T-3 (0-1')	Soluble	Solid	300.0	69243
880-37028-18	T-3 (1.5')	Soluble	Solid	300.0	69243
880-37028-19	T-3 (2')	Soluble	Solid	300.0	69243
880-37028-20	T-3 (3')	Soluble	Solid	300.0	69243
880-37028-21	T-3 (4')	Soluble	Solid	300.0	69243
880-37028-22	T-3 (5')	Soluble	Solid	300.0	69243
880-37028-23	T-3 (6')	Soluble	Solid	300.0	69243
880-37028-24	T-3 (7')	Soluble	Solid	300.0	69243
880-37028-25	T-4 (0-1.0')	Soluble	Solid	300.0	69243
880-37028-26	T-4 (1.5')	Soluble	Solid	300.0	69243
MB 880-69243/1-A	Method Blank	Soluble	Solid	300.0	69243
LCS 880-69243/2-A	Lab Control Sample	Soluble	Solid	300.0	69243
LCSD 880-69243/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	69243
880-37028-8 MS	T-2 (4')	Soluble	Solid	300.0	69243
880-37028-8 MSD	T-2 (4')	Soluble	Solid	300.0	69243

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Analysis Batch: 69319 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-17 MS	T-3 (0-1')	Soluble	Solid	300.0	69243
880-37028-17 MSD	T-3 (0-1')	Soluble	Solid	300.0	69243

Analysis Batch: 69405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-27	T-4 (2')	Soluble	Solid	300.0	69244
880-37028-28	T-4 (3')	Soluble	Solid	300.0	69244
880-37028-29	T-4 (4')	Soluble	Solid	300.0	69244
880-37028-30	T-4 (5')	Soluble	Solid	300.0	69244
880-37028-31	T-4 (6')	Soluble	Solid	300.0	69244
880-37028-32	T-4 (7')	Soluble	Solid	300.0	69244
880-37028-33	T-4 (8')	Soluble	Solid	300.0	69244
880-37028-34	T-4 (9')	Soluble	Solid	300.0	69244
880-37028-35	T-4 (10')	Soluble	Solid	300.0	69244
880-37028-36	T-4 (11')	Soluble	Solid	300.0	69244
880-37028-37	T-4 (12')	Soluble	Solid	300.0	69244
880-37028-38	T-5 (0-1.0')	Soluble	Solid	300.0	69244
880-37028-39	T-5 (1.5')	Soluble	Solid	300.0	69244
880-37028-40	T-5 (2')	Soluble	Solid	300.0	69244
880-37028-41	T-5 (3')	Soluble	Solid	300.0	69244
880-37028-42	T-5 (4')	Soluble	Solid	300.0	69244
880-37028-43	T-5 (5')	Soluble	Solid	300.0	69244
880-37028-44	T-5 (6')	Soluble	Solid	300.0	69244
880-37028-45	T-5 (7')	Soluble	Solid	300.0	69244
880-37028-46	T-5 (8')	Soluble	Solid	300.0	69244
MB 880-69244/1-A	Method Blank	Soluble	Solid	300.0	69244
LCS 880-69244/2-A	Lab Control Sample	Soluble	Solid	300.0	69244
LCSD 880-69244/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	69244
880-37028-27 MS	T-4 (2')	Soluble	Solid	300.0	69244
880-37028-27 MSD	T-4 (2')	Soluble	Solid	300.0	69244
880-37028-37 MS	T-4 (12')	Soluble	Solid	300.0	69244
880-37028-37 MSD	T-4 (12')	Soluble	Solid	300.0	69244

Analysis Batch: 69406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37028-67	T-8 (5')	Soluble	Solid	300.0	69316
880-37028-68	T-8 (6')	Soluble	Solid	300.0	69316
MB 880-69316/1-A	Method Blank	Soluble	Solid	300.0	69316
LCS 880-69316/2-A	Lab Control Sample	Soluble	Solid	300.0	69316
LCSD 880-69316/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	69316
880-37028-67 MS	T-8 (5')	Soluble	Solid	300.0	69316
880-37028-67 MSD	T-8 (5')	Soluble	Solid	300.0	69316

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-1 (0-1.0')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-1
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	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/18/23 18:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/18/23 18:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 03:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 03:34	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	69276	12/18/23 08:54	CH	EET MID
Soluble	Analysis	300.0		20			69318	12/18/23 23:56	CH	EET MID

Client Sample ID: T-1 (1.5')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-2
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	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/18/23 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/18/23 19:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 21:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 21:12	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	69276	12/18/23 08:54	CH	EET MID
Soluble	Analysis	300.0		1			69318	12/19/23 00:01	CH	EET MID

Client Sample ID: T-1 (2.0')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-3
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	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/18/23 19:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/18/23 19:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 22:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 22:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	69276	12/18/23 08:54	CH	EET MID
Soluble	Analysis	300.0		1			69318	12/19/23 00:06	CH	EET MID

Client Sample ID: T-2 (0-1.0')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-4
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	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/18/23 20:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/18/23 20:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (0-1.0')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-4
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			69305	12/17/23 04:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 04:15	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	69276	12/18/23 08:54	CH	EET MID
Soluble	Analysis	300.0		20			69318	12/19/23 00:11	CH	EET MID

Client Sample ID: T-2 (1.5')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/18/23 20:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/18/23 20:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 22:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 22:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	69276	12/18/23 08:54	CH	EET MID
Soluble	Analysis	300.0		5			69318	12/19/23 00:16	CH	EET MID

Client Sample ID: T-2 (2')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-6
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			5.05 g	5 mL	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/18/23 21:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/18/23 21:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 23:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 23:02	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	69276	12/18/23 08:54	CH	EET MID
Soluble	Analysis	300.0		1			69318	12/19/23 00:21	CH	EET MID

Client Sample ID: T-2 (3')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-7
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			5.03 g	5 mL	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/18/23 21:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/18/23 21:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 23:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 23:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (3')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-7
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	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		1			69319	12/19/23 01:19	CH	EET MID

Client Sample ID: T-2 (4')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/18/23 21:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/18/23 21:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 23:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 23:44	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		5			69319	12/19/23 00:59	CH	EET MID

Client Sample ID: T-2 (5')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-9
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			4.97 g	5 mL	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/18/23 22:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/18/23 22:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 00:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 00:06	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		5			69319	12/19/23 01:14	CH	EET MID

Client Sample ID: T-2 (6')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-10
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			4.99 g	5 mL	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/18/23 22:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/18/23 22:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 00:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 00:26	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		5			69319	12/19/23 01:23	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (7')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/19/23 00:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/19/23 00:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 00:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 00:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		5			69319	12/19/23 01:28	CH	EET MID

Client Sample ID: T-2 (8')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-12
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			5.02 g	5 mL	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/19/23 00:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/19/23 00:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 04:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 04:36	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		5			69319	12/19/23 01:43	CH	EET MID

Client Sample ID: T-2 (9')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/19/23 01:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/19/23 01:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 01:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 01:09	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		5			69319	12/19/23 01:48	CH	EET MID

Client Sample ID: T-2 (10')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-14
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			5.01 g	5 mL	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/19/23 01:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/19/23 01:51	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-2 (10')

Lab Sample ID: 880-37028-14

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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			69305	12/17/23 01:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 01:51	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		5			69319	12/19/23 01:53	CH	EET MID

Client Sample ID: T-2 (12')

Lab Sample ID: 880-37028-15

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/19/23 02:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/19/23 02:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 02:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 02:11	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		1			69319	12/19/23 01:57	CH	EET MID

Client Sample ID: T-2 (11')

Lab Sample ID: 880-37028-16

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/19/23 02:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/19/23 02:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 02:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 02:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		5			69319	12/19/23 02:02	CH	EET MID

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

Lab Sample ID: 880-37028-17

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/19/23 03:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/19/23 03:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 03:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 03:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Date Collected: 12/11/23 00:00

Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		10			69319	12/19/23 02:07	CH	EET MID

Client Sample ID: T-3 (1.5')

Date Collected: 12/11/23 00:00

Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-18

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	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/19/23 03:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/19/23 03:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 02:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 02:53	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		5			69319	12/19/23 02:22	CH	EET MID

Client Sample ID: T-3 (2')

Date Collected: 12/11/23 00:00

Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/19/23 04:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/19/23 04:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 04:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 04:58	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		5			69319	12/19/23 02:26	CH	EET MID

Client Sample ID: T-3 (3')

Date Collected: 12/11/23 00:00

Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	69291	12/18/23 09:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69271	12/19/23 04:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/19/23 04:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 03:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	69253	12/15/23 17:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/17/23 03:14	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		10			69319	12/19/23 02:41	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-3 (4')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-21
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			4.99 g	5 mL	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 01:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 01:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 11:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 11:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		5			69319	12/19/23 02:46	CH	EET MID

Client Sample ID: T-3 (5')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-22
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			5.01 g	5 mL	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 02:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 02:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 12:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 12:07	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		1			69319	12/19/23 02:51	CH	EET MID

Client Sample ID: T-3 (6')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-23
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			4.96 g	5 mL	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 02:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 02:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 12:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 12:29	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		1			69319	12/19/23 02:55	CH	EET MID

Client Sample ID: T-3 (7')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-24
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			5.02 g	5 mL	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 02:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 02:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-3 (7')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			69305	12/16/23 12:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 12:50	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		1			69319	12/19/23 03:00	CH	EET MID

Client Sample ID: T-4 (0-1.0')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 03:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 03:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 18:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 18:07	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		10			69319	12/19/23 03:05	CH	EET MID

Client Sample ID: T-4 (1.5')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 03:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 19:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 19:16	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	69243	12/15/23 15:31	SMC	EET MID
Soluble	Analysis	300.0		5			69319	12/19/23 03:10	CH	EET MID

Client Sample ID: T-4 (2')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 04:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 04:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 13:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 13:11	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (2')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-27
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			4.95 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		1			69405	12/19/23 20:06	CH	EET MID

Client Sample ID: T-4 (3')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-28
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	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 04:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 04:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 13:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 13:32	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		5			69405	12/19/23 20:20	CH	EET MID

Client Sample ID: T-4 (4')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-29
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	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 05:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 05:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 13:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 13:55	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		5			69405	12/19/23 20:25	CH	EET MID

Client Sample ID: T-4 (5')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-30
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	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 05:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 05:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 14:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 14:17	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		5			69405	12/19/23 20:30	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (6')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-31
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			4.96 g	5 mL	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 07:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 07:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 14:40	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		1			69405	12/19/23 20:35	CH	EET MID

Client Sample ID: T-4 (7')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-32
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	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 07:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 07:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 15:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		1			69405	12/19/23 20:49	CH	EET MID

Client Sample ID: T-4 (8')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-33
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	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 08:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 08:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 15:49	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		5			69405	12/19/23 20:54	CH	EET MID

Client Sample ID: T-4 (9')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-34
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	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 08:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 08:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (9')

Date Collected: 12/11/23 00:00

Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-34

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			69305	12/16/23 16:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 16:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		1			69405	12/19/23 20:59	CH	EET MID

Client Sample ID: T-4 (10')

Date Collected: 12/11/23 00:00

Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-35

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	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 08:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 08:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 16:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 16:36	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		1			69405	12/19/23 21:04	CH	EET MID

Client Sample ID: T-4 (11')

Date Collected: 12/11/23 00:00

Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-36

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	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 09:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 09:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 16:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		1			69405	12/19/23 21:09	CH	EET MID

Client Sample ID: T-4 (12')

Date Collected: 12/11/23 00:00

Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-37

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	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 09:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 09:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 17:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 17:21	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-4 (12')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-37
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	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		1			69405	12/19/23 21:14	CH	EET MID

Client Sample ID: T-5 (0-1.0')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-38
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	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 10:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 18:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 18:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		20			69405	12/19/23 21:28	CH	EET MID

Client Sample ID: T-5 (1.5')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-39
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	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 10:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 10:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 17:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 17:44	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		5			69405	12/19/23 21:33	CH	EET MID

Client Sample ID: T-5 (2')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-40
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	69292	12/18/23 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/21/23 11:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 11:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	69255	12/15/23 22:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69259	12/16/23 18:53	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		5			69405	12/19/23 21:47	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-5 (3')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-41
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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 16:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 16:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 11:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 11:02	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		5			69405	12/19/23 21:52	CH	EET MID

Client Sample ID: T-5 (4')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-42
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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 16:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 12:07	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 12:07	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		5			69405	12/19/23 21:57	CH	EET MID

Client Sample ID: T-5 (5')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-43
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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 17:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 17:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 12:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 12:29	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		5			69405	12/19/23 22:02	CH	EET MID

Client Sample ID: T-5 (6')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-44
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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 17:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 17:36	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-5 (6')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-44
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			69305	12/16/23 12:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 12:50	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		1			69405	12/19/23 22:07	CH	EET MID

Client Sample ID: T-5 (7')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-45
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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 18:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 18:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 13:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 13:11	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		1			69405	12/19/23 22:12	CH	EET MID

Client Sample ID: T-5 (8')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-46
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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 18:28	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 18:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 13:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 13:32	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	69244	12/15/23 15:35	SMC	EET MID
Soluble	Analysis	300.0		1			69405	12/19/23 22:16	CH	EET MID

Client Sample ID: T-5 (9')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-47
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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 18:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 18:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 13:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 13:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-5 (9')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-47
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 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 19:20	CH	EET MID

Client Sample ID: T-5 (10')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-48
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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 19:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 19:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 14:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 14:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 19:34	CH	EET MID

Client Sample ID: T-5 (11')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-49
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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 19:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 19:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 14:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 14:40	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 19:39	CH	EET MID

Client Sample ID: T-6 (0-1.0')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-50
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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 20:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 20:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 15:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 15:03	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		10			69317	12/18/23 19:44	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-6 (1.5')

Date Collected: 12/11/23 00:00

Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-51

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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 22:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 22:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 15:49	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 19:49	CH	EET MID

Client Sample ID: T-6 (2')

Date Collected: 12/11/23 00:00

Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-52

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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 22:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 22:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 16:13	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 16:13	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 20:03	CH	EET MID

Client Sample ID: T-6 (3')

Date Collected: 12/11/23 00:00

Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-53

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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 22:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 22:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 16:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 16:36	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 20:08	CH	EET MID

Client Sample ID: T-6 (4')

Date Collected: 12/11/23 00:00

Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-54

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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 23:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 23:21	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-6 (4')

Lab Sample ID: 880-37028-54

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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			69305	12/16/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 16:59	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 20:13	CH	EET MID

Client Sample ID: T-6 (5')

Lab Sample ID: 880-37028-55

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/21/23 23:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/21/23 23:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 17:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 17:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 20:18	CH	EET MID

Client Sample ID: T-6 (6')

Lab Sample ID: 880-37028-56

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/22/23 00:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/22/23 00:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 17:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 17:44	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 20:23	CH	EET MID

Client Sample ID: T-7 (0-1.0')

Lab Sample ID: 880-37028-57

Date Collected: 12/11/23 00:00

Matrix: Solid

Date Received: 12/15/23 14:08

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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/22/23 00:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/22/23 00:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 18:07	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 18:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-7 (0-1.0')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-57
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			4.96 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		5			69317	12/18/23 20:28	CH	EET MID

Client Sample ID: T-7 (1.5')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-58
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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/22/23 01:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/22/23 01:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 18:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 18:30	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 20:42	CH	EET MID

Client Sample ID: T-7 (2')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-59
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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/22/23 01:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/22/23 01:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 18:53	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 20:47	CH	EET MID

Client Sample ID: T-7 (3')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-60
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	69312	12/18/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69579	12/22/23 01:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/22/23 01:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 19:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	69256	12/15/23 22:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 19:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 21:02	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-7 (4')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-61
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/20/23 18:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 21:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 21:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 21:06	CH	EET MID

Client Sample ID: T-8 (0-1.0')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-62
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	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/20/23 19:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 22:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 22:19	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		5			69317	12/18/23 21:11	CH	EET MID

Client Sample ID: T-8 (1.5')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-63
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	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 19:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/20/23 19:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 22:41	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 22:41	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 21:16	CH	EET MID

Client Sample ID: T-8 (2')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-64
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	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 20:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/20/23 20:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-8 (2')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-64
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			69305	12/16/23 23:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 23:02	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 21:21	CH	EET MID

Client Sample ID: T-8 (3')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-65
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	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 20:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/20/23 20:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 23:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 23:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 21:26	CH	EET MID

Client Sample ID: T-8 (4')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-66
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	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 21:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/20/23 21:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/16/23 23:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/16/23 23:44	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	69245	12/15/23 15:39	SMC	EET MID
Soluble	Analysis	300.0		1			69317	12/18/23 21:31	CH	EET MID

Client Sample ID: T-8 (5')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-67
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	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 21:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/20/23 21:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 00:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/17/23 00:06	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Client Sample ID: T-8 (5')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-67
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	69316	12/18/23 14:05	SA	EET MID
Soluble	Analysis	300.0		1			69406	12/19/23 22:55	CH	EET MID

Client Sample ID: T-8 (6')
Date Collected: 12/11/23 00:00
Date Received: 12/15/23 14:08

Lab Sample ID: 880-37028-68
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	69313	12/18/23 13:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	69426	12/20/23 21:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			69397	12/20/23 21:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			69305	12/17/23 00:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	69258	12/15/23 22:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	69261	12/17/23 00:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	69316	12/18/23 14:05	SA	EET MID
Soluble	Analysis	300.0		1			69406	12/19/23 23:10	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: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

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

Job ID: 880-37028-1
SDG: Lea Co. NM

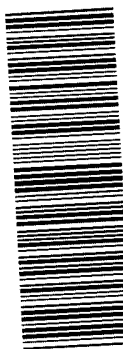
Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-37028-1	T-1 (0-1.0')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-2	T-1 (1.5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-3	T-1 (2.0')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-4	T-2 (0-1.0')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-5	T-2 (1.5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-6	T-2 (2')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-7	T-2 (3')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-8	T-2 (4')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-9	T-2 (5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-10	T-2 (6')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-11	T-2 (7')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-12	T-2 (8')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-13	T-2 (9')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-14	T-2 (10')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-15	T-2 (12')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-16	T-2 (11')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-17	T-3 (0-1')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-18	T-3 (1.5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-19	T-3 (2')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-20	T-3 (3')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-21	T-3 (4')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-22	T-3 (5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-23	T-3 (6')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-24	T-3 (7')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-25	T-4 (0-1.0')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-26	T-4 (1.5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-27	T-4 (2')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-28	T-4 (3')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-29	T-4 (4')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-30	T-4 (5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-31	T-4 (6')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-32	T-4 (7')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-33	T-4 (8')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-34	T-4 (9')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-35	T-4 (10')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-36	T-4 (11')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-37	T-4 (12')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-38	T-5 (0-1.0')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-39	T-5 (1.5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-40	T-5 (2')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-41	T-5 (3')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-42	T-5 (4')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-43	T-5 (5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-44	T-5 (6')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-45	T-5 (7')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-46	T-5 (8')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-47	T-5 (9')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-48	T-5 (10')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-49	T-5 (11')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-50	T-6 (0-1.0')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-51	T-6 (1.5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-52	T-6 (2')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-53	T-6 (3')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-54	T-6 (4')	Solid	12/11/23 00:00	12/15/23 14:08

Sample Summary

Client: Carmona Resources
Project/Site: Paduca Main

Job ID: 880-37028-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-37028-55	T-6 (5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-56	T-6 (6')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-57	T-7 (0-1.0')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-58	T-7 (1.5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-59	T-7 (2')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-60	T-7 (3')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-61	T-7 (4')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-62	T-8 (0-1.0')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-63	T-8 (1.5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-64	T-8 (2')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-65	T-8 (3')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-66	T-8 (4')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-67	T-8 (5')	Solid	12/11/23 00:00	12/15/23 14:08
880-37028-68	T-8 (6')	Solid	12/11/23 00:00	12/15/23 14:08



880-37028 Chain of Custody

Page 1 of 7

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	885 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: US7/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ perfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADaPT ☐ Other	

Project Name		Paduca Main		Turn Around		Prea. Code		ANALYSIS REQUEST										Preservative Codes	
Project Number	2206	Lea Co. NM	JIM/JR	☒ Routine	☐ Rush	Due Date	STANDARD	Parameters										None: NO	DI Water H ₂ O
Sampler's Name	PO #	Temp Blank:	Yes	No	Wet Ice:	Yes	No											Cool Cool	MeOH Me
Received Intact		Yes	No															HCL HC	HNO ₃ HN
Cooler Custody Seals		Yes	No	N/A														H ₂ SO ₄ H ₂	NaOH Na
Sample Custody Seals		Yes	No	N/A														H ₃ PO ₄ HP	
Total Containers																		NaHSO ₄ NABIS	
																		Na ₂ S ₂ O ₃ NaSO ₃	
																		Zn Acetate+NaOH Zn	
																		NaOH+Ascorbic Acid SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
T-1 (0-1 0')	12/11/2023		X		G	1												X	
T-1 (1.5')	12/11/2023		X		G	1												X	
T-1 (2 0')	12/11/2023		X		G	1												X	
T-2 (0-1 0')	12/11/2023		X		G	1												X	
T-2 (1.5')	12/11/2023		X		G	1												X	
T-2 (2')	12/11/2023		X		G	1												X	
T-2 (3')	12/11/2023		X		G	1												X	
T-2 (4')	12/11/2023		X		G	1												X	
T-2 (5')	12/11/2023		X		G	1												X	
T-2 (6')	12/11/2023		X		G	1												X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/15/23		
	1408		

Work Order No:

Page 2 of 7

[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:

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

Work Order No.:

Page 3 of 7

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

[illegible]

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH			
T-3 (4')	12/11/2023		X		G	1	X	X		
T-3 (5')	12/11/2023		X		G	1	X	X		
T-3 (6')	12/11/2023		X		G	1	X	X		
T-3 (7')	12/11/2023		X		G	1	X	X		
T-4 (0-1 0')	12/11/2023		X		G	1	X	X		
T-4 (1.5')	12/11/2023		X		G	1	X	X		
T-4 (2')	12/11/2023		X		G	1	X	X		
T-4 (3')	12/11/2023		X		G	1	X	X		
T-4 (4')	12/11/2023		X		G	1	X	X		
T-4 (5')	12/11/2023		X		G	1	X	X		

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

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

Project Name		Paduca Main		Turn Around			ANALYSIS REQUEST										Preservative Codes	
Project Number		2206		☒ Routine	☐ Rush											None, NO	DI Water H ₂ O	
Project Location		Lea Co. NM		Due Date												Cool, Cool	MeOH, Me	
Sampler's Name		JM/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 Inlet:				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		Parameters		
T-3 (4')				12/11/2023				X				G		1		BTEX 8021B		
T-3 (5')				12/11/2023				X				G		1		TPH 8015M (GRO + DRO + MRO)		
T-3 (6')				12/11/2023				X				G		1		Chloride 300.0		
T-3 (7')				12/11/2023				X				G		1				
T-4 (0-1 0')				12/11/2023				X				G		1				
T-4 (1.5')				12/11/2023				X				G		1				
T-4 (2')				12/11/2023				X				G		1				
T-4 (3')				12/11/2023				X				G		1				
T-4 (4')				12/11/2023				X				G		1				
T-4 (5')				12/11/2023				X				G		1				

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
		12/15/23		
		1409		

Work Order No: 7020

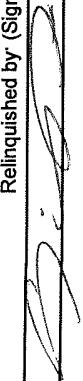
Page 4 of 7

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 ☐ perfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other	

ANALYSIS REQUEST										Preservative Codes		
Project Name	Paduca Main	Turn Around	Pres. Code							None: NO	DI Water: H ₂ O	
Project Number	2206	☒ Routine ☐ Rush								Cool Cool	MeOH Me	
Project Location	Lea Co NM	Due Date								HCL HC	HNO ₃ HN	
Sampler's Name	JMJR									H ₂ SO ₄ H ₂	NaOH Na	
PO #:										H ₃ PO ₄ HP		
SAMPLE RECEIPT			Temp Blank:		Yes	No	Wet Ice:		Yes	No		
Received Intact:			Yes		No	Thermometer ID:						
Cooler Custody Seals:			Yes		No	Correction Factor:						
Sample Custody Seals:			Yes		No	Temperature Reading:						
Total Containers					Corrected Temperature							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters					
T-4 (6')	12/11/2023		X		G	1	BTX 8021B		TPH 8015M (GRO + DRO + MRO)	Chloride 300.0		
T-4 (7')	12/11/2023		X		G	1						
T-4 (8')	12/11/2023		X		G	1						
T-4 (9')	12/11/2023		X		G	1						
T-4 (10')	12/11/2023		X		G	1						
T-4 (11')	12/11/2023		X		G	1						
T-4 (12')	12/11/2023		X		G	1						
T-5 (0-1 0')	12/11/2023		X		G	1						
T-5 (1 5')	12/11/2023		X		G	1						
T-5 (2')	12/11/2023		X		G	1						

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/15/23		1/4/08

Work Order No: 1628

Page 5 of 7

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@ngllep.com			

Project Name Paduca Main		Turn Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes					
Project Number 2206		☒ Routine ☐ Rush														None: NO DI Water H ₂ O					
Project Location Lea Co. NM		Due Date														Cool Cool MeOH Me					
Sampler's Name JM/JR		STANDARD														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 NaHSO ₄ NABIS	
Received Intact		Yes No		Thermometer ID																Na ₂ S ₂ O ₃ NaSO ₃	
Cooler Custody Seals		Yes No		N/A		Correction Factor														Zn Acetate+NaOH Zn	
Sample Custody Seals		Yes No		N/A		Temperature Reading														NaOH+Ascorbic Acid SAPC	
Total Containers				Corrected Temperature																	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
T-5 (3')	12/11/2023		X		G	1		X	X	
T-5 (4')	12/11/2023		X		G	1		X	X	
T-5 (5')	12/11/2023		X		G	1		X	X	
T-5 (6')	12/11/2023		X		G	1		X	X	
T-5 (7')	12/11/2023		X		G	1		X	X	
T-5 (8')	12/11/2023		X		G	1		X	X	
T-5 (9')	12/11/2023		X		G	1		X	X	
T-5 (10')	12/11/2023		X		G	1		X	X	
T-5 (11')	12/11/2023		X		G	1		X	X	
T-6 (0-1.0')	12/11/2023		X		G	1		X	X	

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

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

12/22/2023

Work Order No: 7628

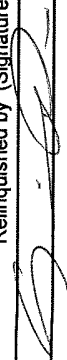
Page 6 of 7

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	885 N Albino Street Suite 400
City State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@ndleap.com

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	

ANALYSIS REQUEST										Preservative Codes											
Project Name:	Paduca Main	Turn Around	Pres. Code	Parameters																	
Project Number	2206	☒ Routine ☐ Rush								None: NO DI Water H ₂ O											
Project Location	Lea Co. NM	Due Date:								Cool: Cool MeOH Me											
Sampler's Name	JMJR	STANDARD								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	BTX 8021B					TPH 8015M (GRO + DRO + MRO)					Chloride 300.0				
T-6 (1.5')	12/11/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X		
T-6 (2')	12/11/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X		
T-6 (3')	12/11/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X		
T-6 (4')	12/11/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X		
T-6 (5')	12/11/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X		
T-6 (6')	12/11/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X		
T-7 (0-1.0')	12/11/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X		
T-7 (1.5')	12/11/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X		
T-7 (2')	12/11/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X		
T-7 (3')	12/11/2023		X		G	1	X	X	X	X	X	X	X	X	X	X	X	X	X		

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	12/15/23		1/10/24

Loc: 880

37028

Work Order No: _____

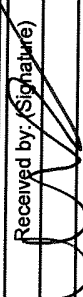
Page 7 of 7

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 ☐ perfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ IST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADaPT ☐ Other	

ANALYSIS REQUEST										Preservative Codes	
Project Name	Paduca Main	Turn Around	Pres. Code	Parameters						Sample Comments	
Project Number	2206	☒ Routine ☐ Rush									
Project Location	Lea Co. NM	Due Date									
Sampler's Name	JIM/JR	STANDARD									
PO #											
SAMPLE RECEIPT Received Intact: Yes No Thermometer ID Yes No Cooler Custody Seals Yes No N/A Correction Factor Yes No N/A Sample Custody Seals Yes No N/A Temperature Reading Yes No N/A Total Containers Corrected Temperature.											
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont					
T-7 (4')	12/11/2023		X		G	1	X	X			
T-8 (0-1'0")	12/11/2023		X		G	1	X	X			
T-8 (1.5')	12/11/2023		X		G	1	X	X			
T-8 (2')	12/11/2023		X		G	1	X	X			
T-8 (3')	12/11/2023		X		G	1	X	X			
T-8 (4')	12/11/2023		X		G	1	X	X			
T-8 (5')	12/11/2023		X		G	1	X	X			
T-8 (6')	12/11/2023		X		G	1	X	X			
BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0											
None NO Cool Cool HCL HC H ₂ SO ₄ H ₂ H ₃ PO ₄ HP NaHSO ₄ NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC											

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/15/23		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-37028-1

SDG Number: Lea Co. NM

Login Number: 37028

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

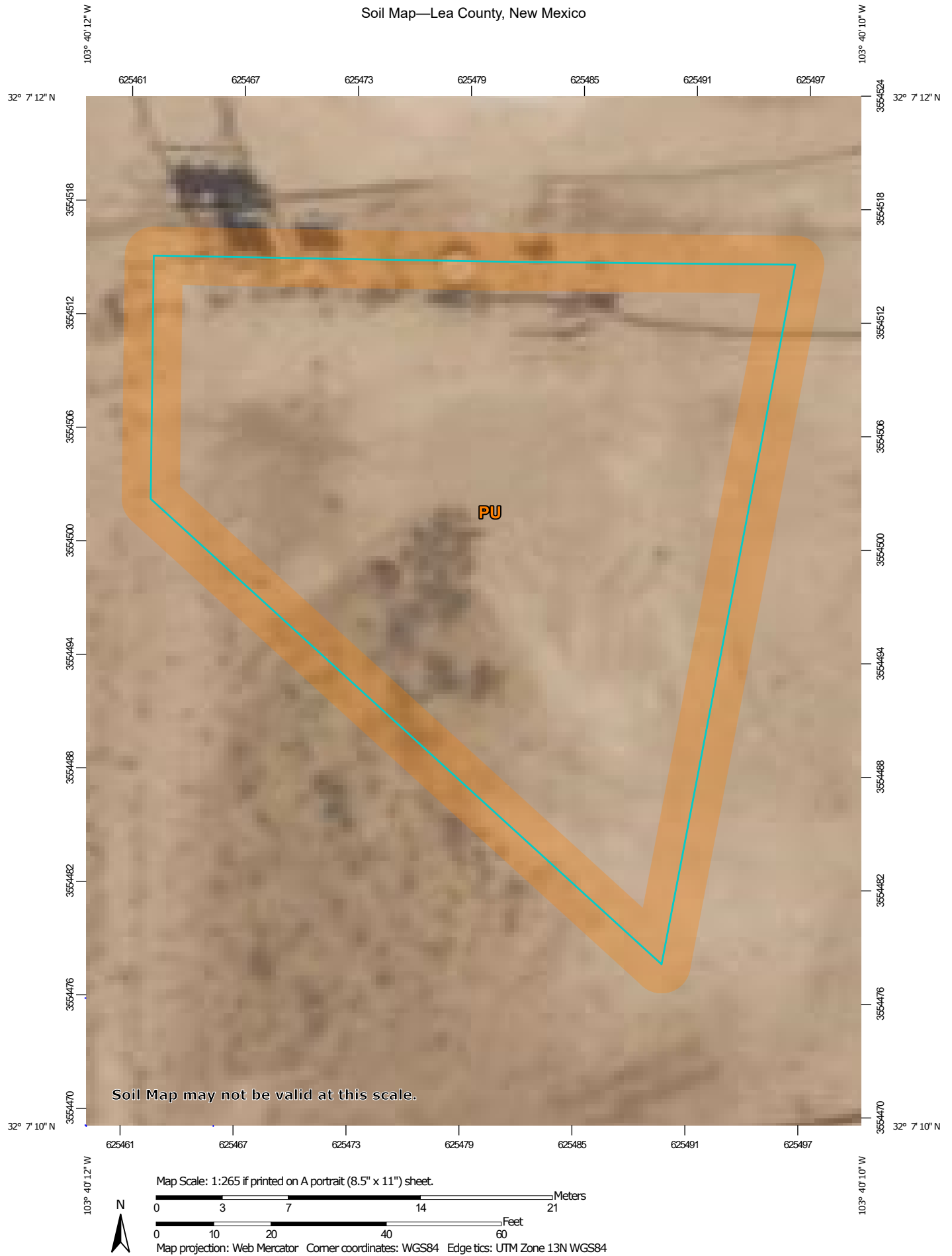
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature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

APPENDIX F

CARMONA RESOURCES



Soil Map—Lea County, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

1/15/2024
Page 1 of 3

Soil Map—Lea County, 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: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

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
PU	Pyote and Maljamar fine sands	0.2	100.0%
Totals for Area of Interest		0.2	100.0%

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent

Maljamar and similar soils: 44 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

(28)

BLM SERIAL #:

COMPANY REFERENCE:

3.3 Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sand love grass (<i>Eragrostis trichodes</i>)	1.0
Plains bristlegrass (<i>Setaria macrostachya</i>)	2.0

*Pounds of pure live seed: Pounds of seed x percent purity x percent germination = pounds pure live seed

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 303501

QUESTIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 303501
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333233247
Incident Name	NAPP2333233247 PADUCA MAIN @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source

Please answer all the questions in this group.

Site Name	PADUCA MAIN
Date Release Discovered	11/24/2023
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: Blow Out Valve Produced Water Released: 250 BBL Recovered: 220 BBL Lost: 30 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

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District IV

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

QUESTIONS, Page 2

Action 303501

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:	372338
	Action Number:	303501
	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: 01/16/2024
--	--

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 303501

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:	372338
	Action Number:	303501
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	8015
GRO+DRO (EPA SW-846 Method 8015M)	8015
BTEX (EPA SW-846 Method 8021B or 8260B)	8021
Benzene (EPA SW-846 Method 8021B or 8260B)	8021

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	02/15/2024
On what date will (or did) the final sampling or liner inspection occur	02/15/2024
On what date will (or was) the remediation complete(d)	03/01/2024
What is the estimated surface area (in square feet) that will be reclaimed	4150
What is the estimated volume (in cubic yards) that will be reclaimed	410
What is the estimated surface area (in square feet) that will be remediated	10200
What is the estimated volume (in cubic yards) that will be remediated	935

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.

District I

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District II

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District III

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Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
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State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 4

Action 303501

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:	372338
	Action Number:	303501
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Northern Delaware Disposal
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Joseph Vargo Title: Regulatory manager Email: joseph.vargo@nglep.com Date: 01/16/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 303501

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 303501
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 303501

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 303501
	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 303501

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 303501
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	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 200 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.	3/13/2024