CARMONA RESOURCES

SITE INFORMATION

Closure Report
Uracas 8
Incident ID: NAPP2412336586
Lea County, New Mexico
Unit J Sec 11 T23S R32E
32.326469°, -103.652200°

Point of Release: Corrosion in pipeline
Release Date: 05.01.2024
Volume Released: 110 Barrels of Crude Oil
Volume Recovered: 50 Barrels of Crude Oil

CARMONA RESOURCES

Prepared for:
Delek Logistics Company
305 N. Washington
El Dorado, Arkansas 71730

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

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

CARMONA RESOURCES

TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 REMEDIATION ACTIVITIES

6.0 RECLAMATION ACTIVITIES

7.0 CONCLUSIONS

FIGURES

FIGURE 1	**OVERVIEW**	**FIGURE 2**	**TOPOGRAPHIC**
FIGURE 3a – 3c	**SAMPLE LOCATION**	**FIGURE 4a – 4f**	**EXCAVATION**

APPENDICES

APPENDIX A	**TABLES**
APPENDIX B	**PHOTOS**
APPENDIX C	**N.O.R. AND FINAL C-141/NMOCD CORRESPONDENCE**
APPENDIX D	**SITE CHARACTERIZATION AND GROUNDWATER**
APPENDIX E	**LABORATORY REPORTS**

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

CARMONA RESOURCES

September 19, 2024

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

Re: Closure Report
Uracas 8
Incident ID: NAPP2412336586
Delek Logistics Companies
Site Location: Unit J, S11, T23S, R32E
(Lat 32.326469º, Long -103.652200°)
Lea County, New Mexico

To whom it may concern:

On behalf of Delek Logistics Companies (Delek), Carmona Resources, LLC has prepared this letter to document site activities for the Uracas 8 release. The site is located at 32. 326469º, -103. 652200º within Unit J, S11, T23S, R32E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on May 1, 2024, caused by corrosion of the buried pipeline. It resulted in approximately one hundred ten (110) barrels of produced water, with fifty (50) barrels of produced water recovered. The release along the Uracas 8 pipeline ROW traveled down a gradient along the grazing tenants' two-track roadway, where it terminated. Refer to Figure 3 for a spill overview. The Notice of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The water well is approximately 0.61 miles Northwest of the site in S03, T23S, R32E and was drilled in 1986. The nearest well has a reported depth to groundwater of 196.65’ feet below the ground surface (ft bgs). A copy of the associated well log is attached in Appendix D.

On May 12, 2024, Carmona Resources, LLC requested a groundwater variance to utilize the above-referenced water well for closure criteria purposes. A confirmation sampling variance was also requested to increase the confirmation sampling frequency from 200 to 500 square feet. Both variance requests were approved on May 13, 2024. A copy of the correspondence is attached in Appendix C.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 20,000 mg/kg.

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

CARMONA RESOURCES

4.0 Site Assessment Activities

Initial Assessment

Between May 3, 2024, and May 8, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of eleven (11) test trenches (T-1 through T-11), and nineteen (19) horizontal sample points (H-1 through H-19) were installed to total depths ranging from surface to 11.0' bgs inside and surrounding the release area. See Figure 3 for the 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.

Vertical Delineation

Vertical delineation was achieved in all areas for Benzene, total BTEX, TPH, and Chloride concentrations, except for T-1, T-7, T-8, and T-11. The areas of T-1, T-7, T-8, and T-11 were delineated during remediation. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-19 were below the regulatory limits for Benzene, total BTEX, TPH, and Chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Between June 26, 2024, and July 19, 2024, Carmona Resources personnel were onsite to supervise the remediation activities and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on June 21, 2024, and July 11, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of sixty-two (62) confirmation floor samples were collected (CS-1 and CS-62), and eighty (80) sidewall samples (SW-1 through SW-80) were collected every 500 square feet to ensure the proper removal of the contaminated soils at the time. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4a-4f.

Due to remediation activities taking longer than the standard 90-day timeline, the NMOCD approved Delek's formal closure extension on July 24, 2024. The new closure deadline was set for October 22, 2024. See NMOCD correspondence in Appendix C.

On September 3, 2024, Carmona Resources personnel were on site to resume the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via web portal on September 3, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of three (3) additional confirmation floor samples (CS-63 through CS-65) and eleven (11) additional sidewall samples (SW-81 through SW-91) were collected every 500 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA Method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. Figures 4a-4f show the excavation depths and confirmation sample locations.

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

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

CARMONA RESOURCES

Approximately 18,250 square feet and 9,200 cubic yards of material were excavated and transported offsite for proper disposal. Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Backfill material was collected from the Mills' Ranch backfill pit located at 32.423538, -103.654054. A composite backfill sample was collected at the backfill pit and was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA Method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. See Table 2.

6.0 Reclamation Activities

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. The backfilled areas were seeded on September 18, 2024. The appropriate pounds of pure live seed per acre were used. The seeds were applied via tractor and seed broadcaster. The seed mixture used was BLM LPC Seed Mix. (See attachments in Appendix B).

Site inspections will be performed to evaluate the revegetation progress and assess the site for the presence of primary or secondary noxious weeds. An eradication method will be implemented if any noxious weeds are present.

7.0 Conclusions

Based on the remediation results and the analytical data, no further actions are required at the site. The final C-141 is attached, and Delek formally requests the spill's closure. 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

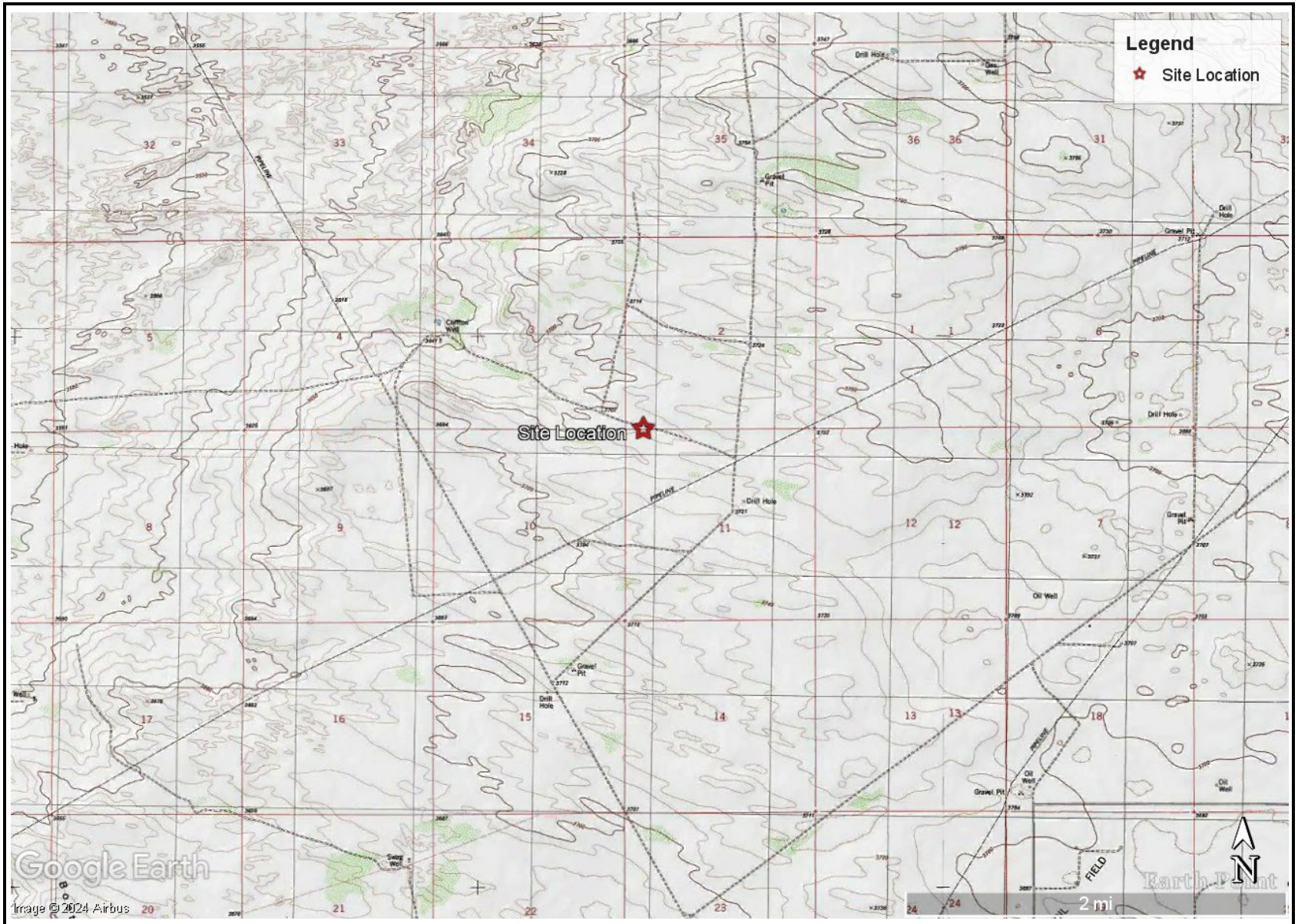
Gilbert Priego Jr.
Project Manager

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

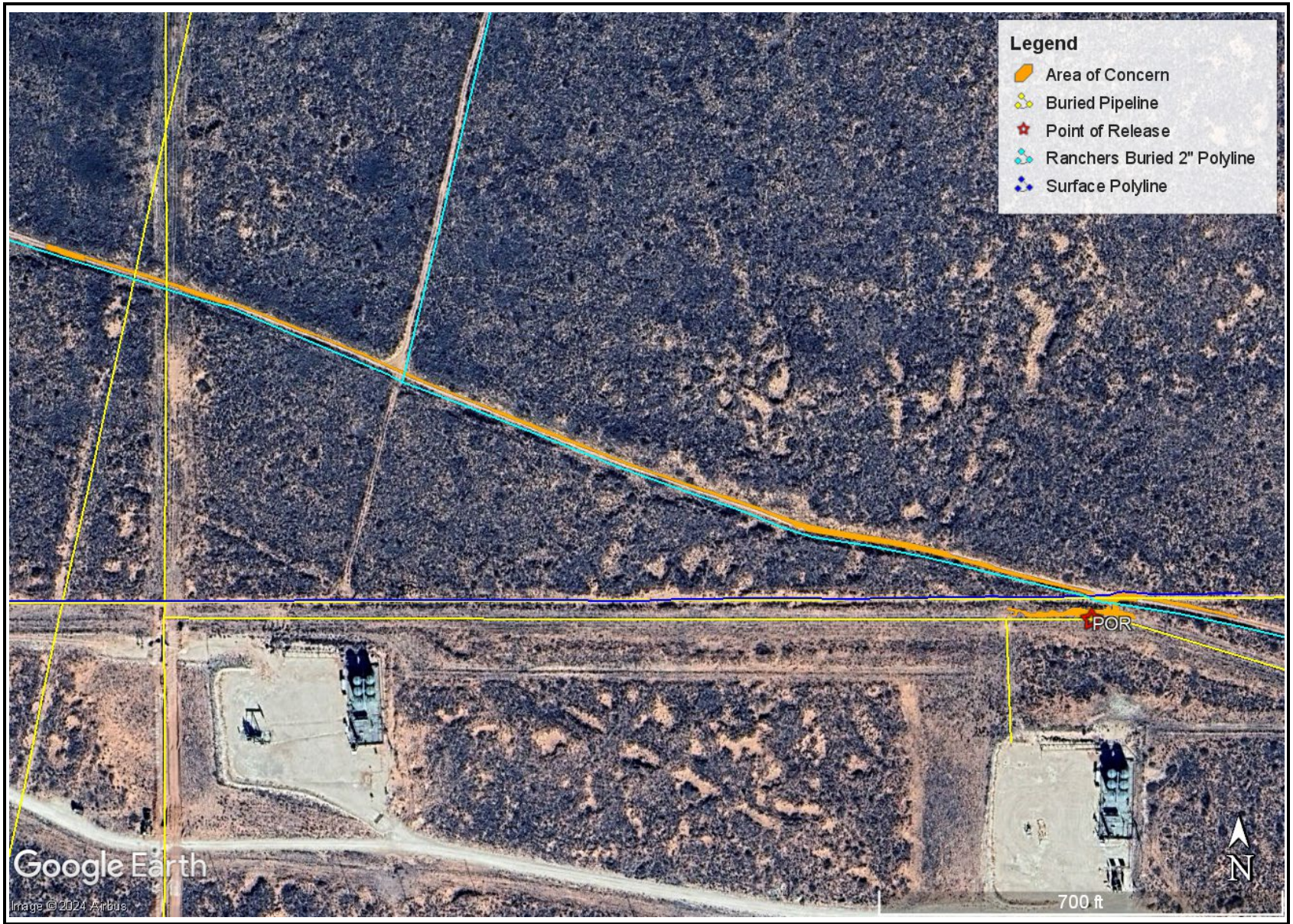
FIGURES

CARMONA RESOURCES

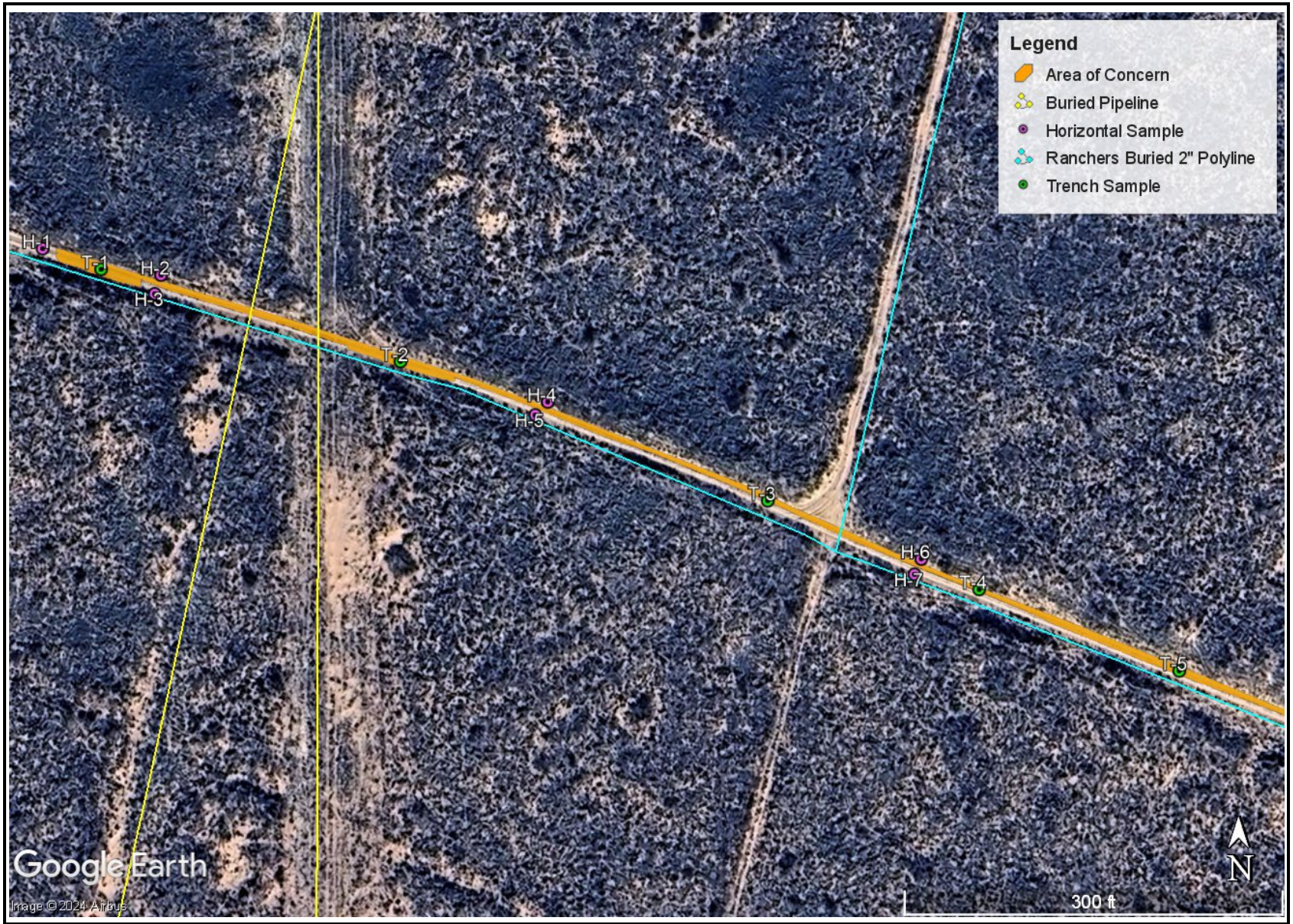
OVERVIEW MAP DELEK LOGISTICS COMPANY URACAS 8 (05.01.2024) LEA COUNTY, NEW MEXICO 32.326469°, -103.652200°	CARMONA RESOURCES	FIGURE 1



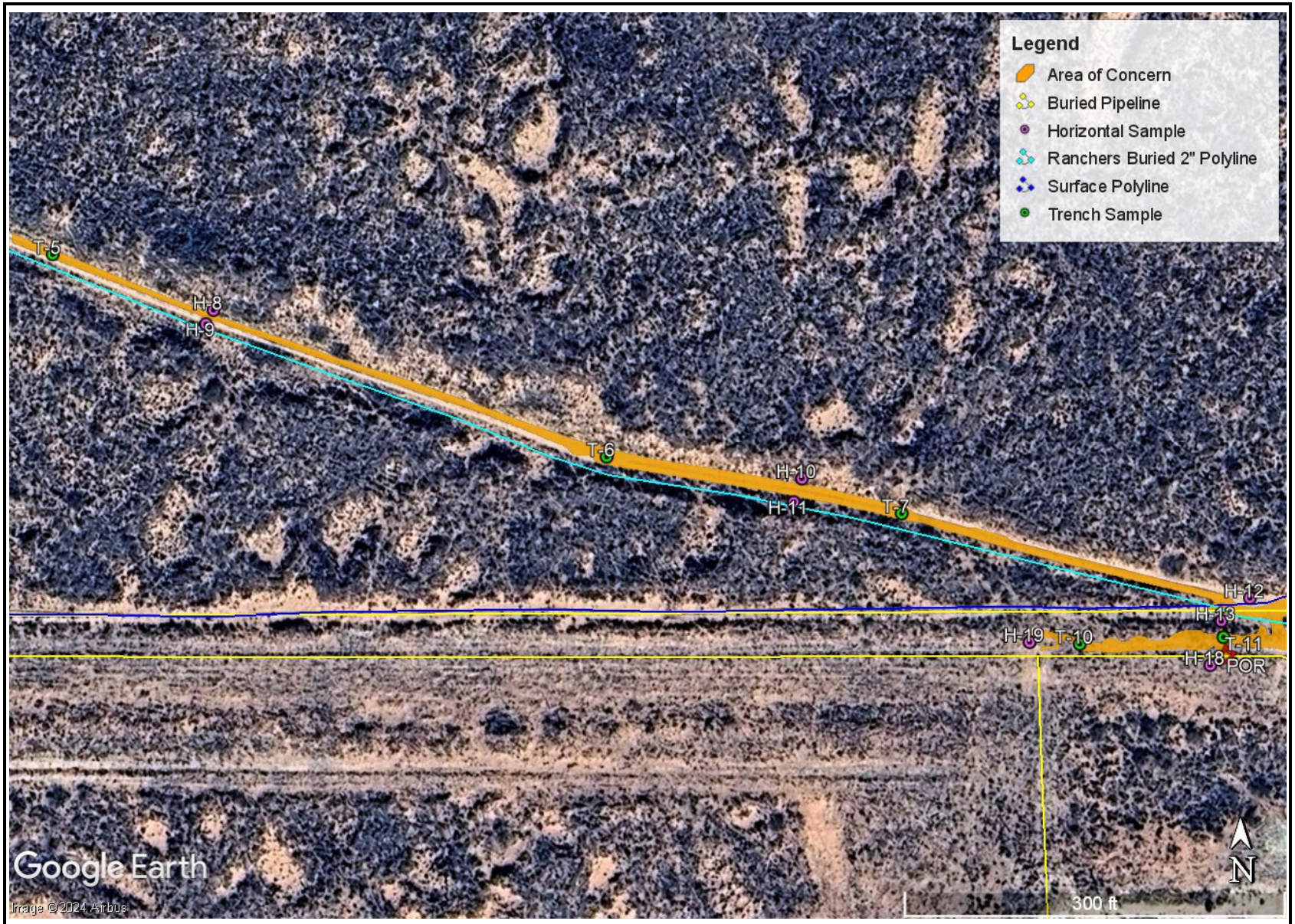
TOPOGRAPHIC MAP DELEK LOGISTICS COMPANY URACAS 8 (05.01.2024) LEA COUNTY, NEW MEXICO 32.326469°, -103.652200°	CARMONA RESOURCES	FIGURE 2



RELEASE OVERVIEW MAP DELEK LOGISTICS COMPANY URACAS 8 (05.01.2024) LEA COUNTY, NEW MEXICO 32.326469°, -103.652200°	CARMONA RESOURCES	FIGURE 3

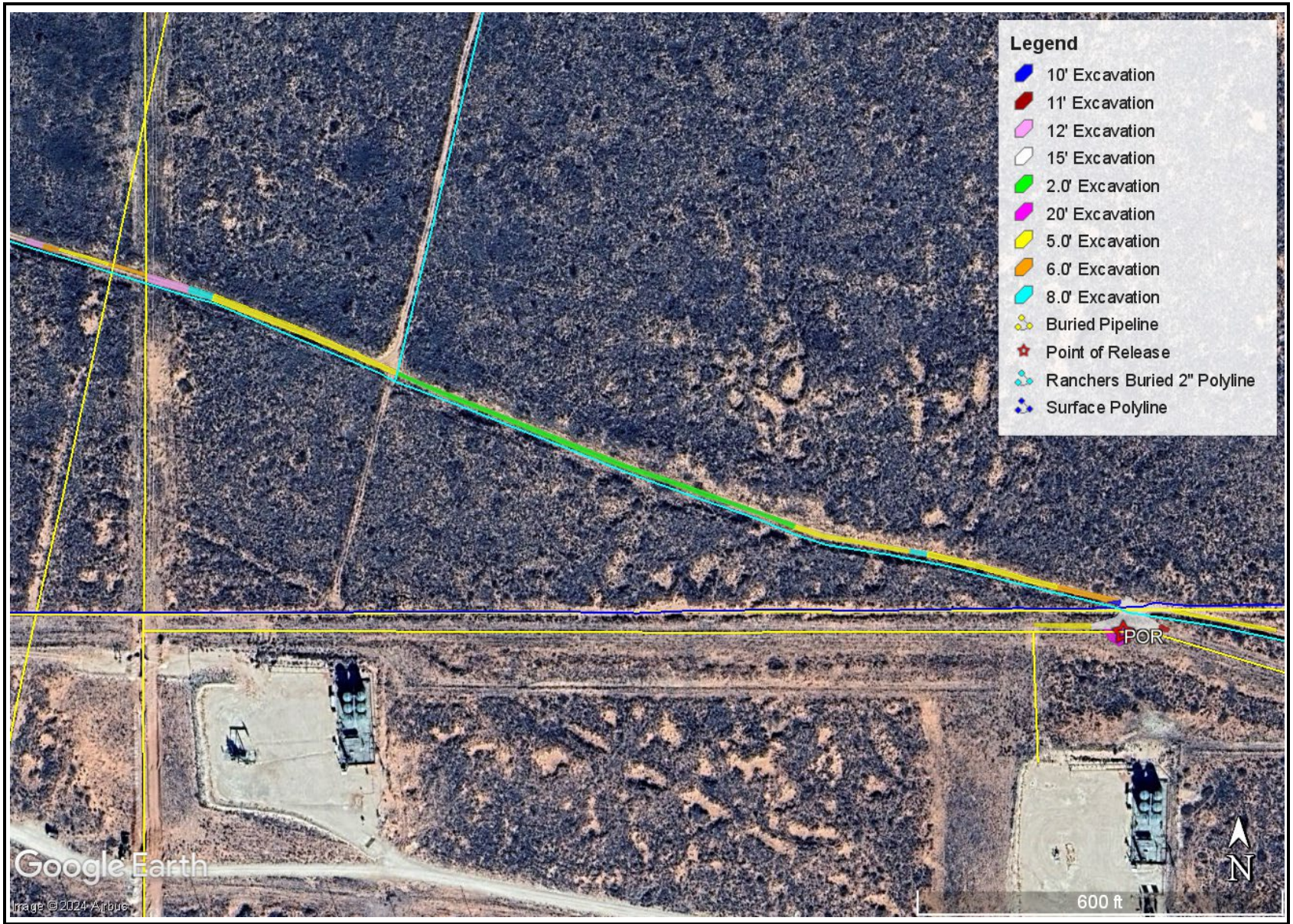


RELEASE OVERVIEW MAP DELEK LOGISTICS COMPANY URACAS 8 (05.01.2024) LEA COUNTY, NEW MEXICO 32.326469°, -103.652200°	CARMONA RESOURCES	FIGURE 3a

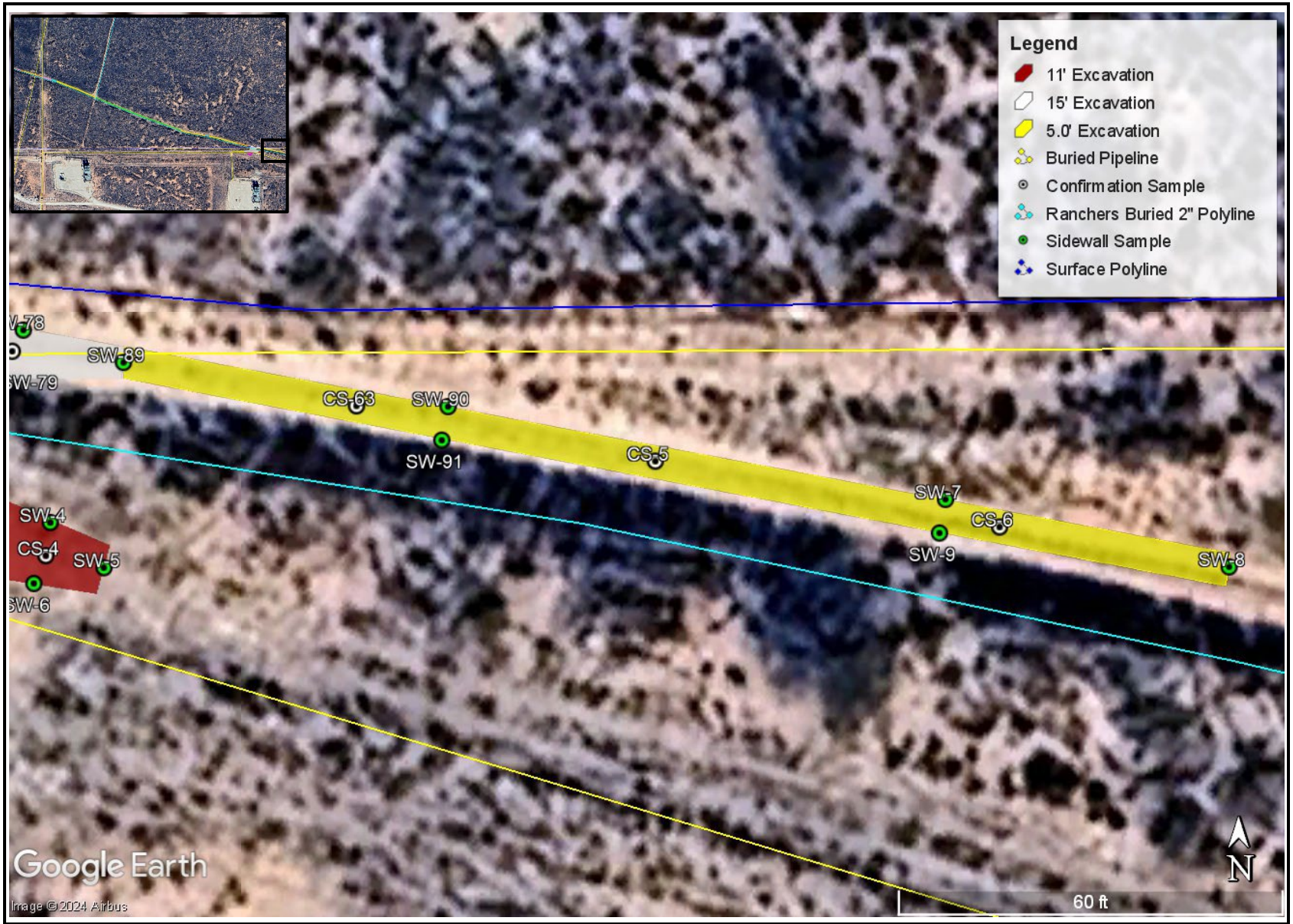


RELEASE OVERVIEW MAP DELEK LOGISTICS COMPANY URACAS 8 (05.01.2024) LEA COUNTY, NEW MEXICO 32.326469°, -103.652200°	CARMONA RESOURCES	FIGURE 3b

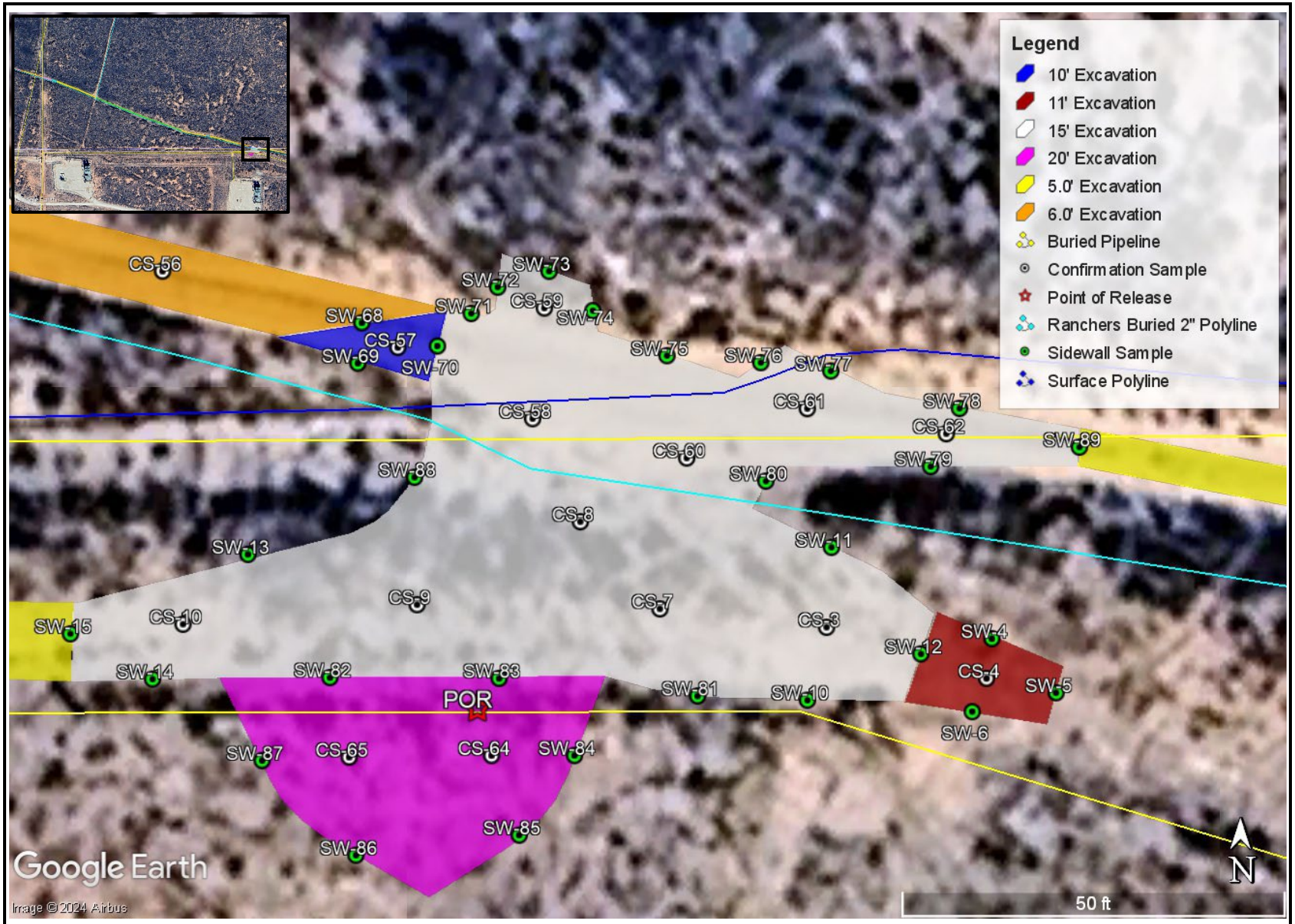
RELEASE OVERVIEW MAP DELEK LOGISTICS COMPANY URACAS 8 (05.01.2024) LEA COUNTY, NEW MEXICO 32.326469°, -103.652200°	CARMONA RESOURCES	FIGURE 3c



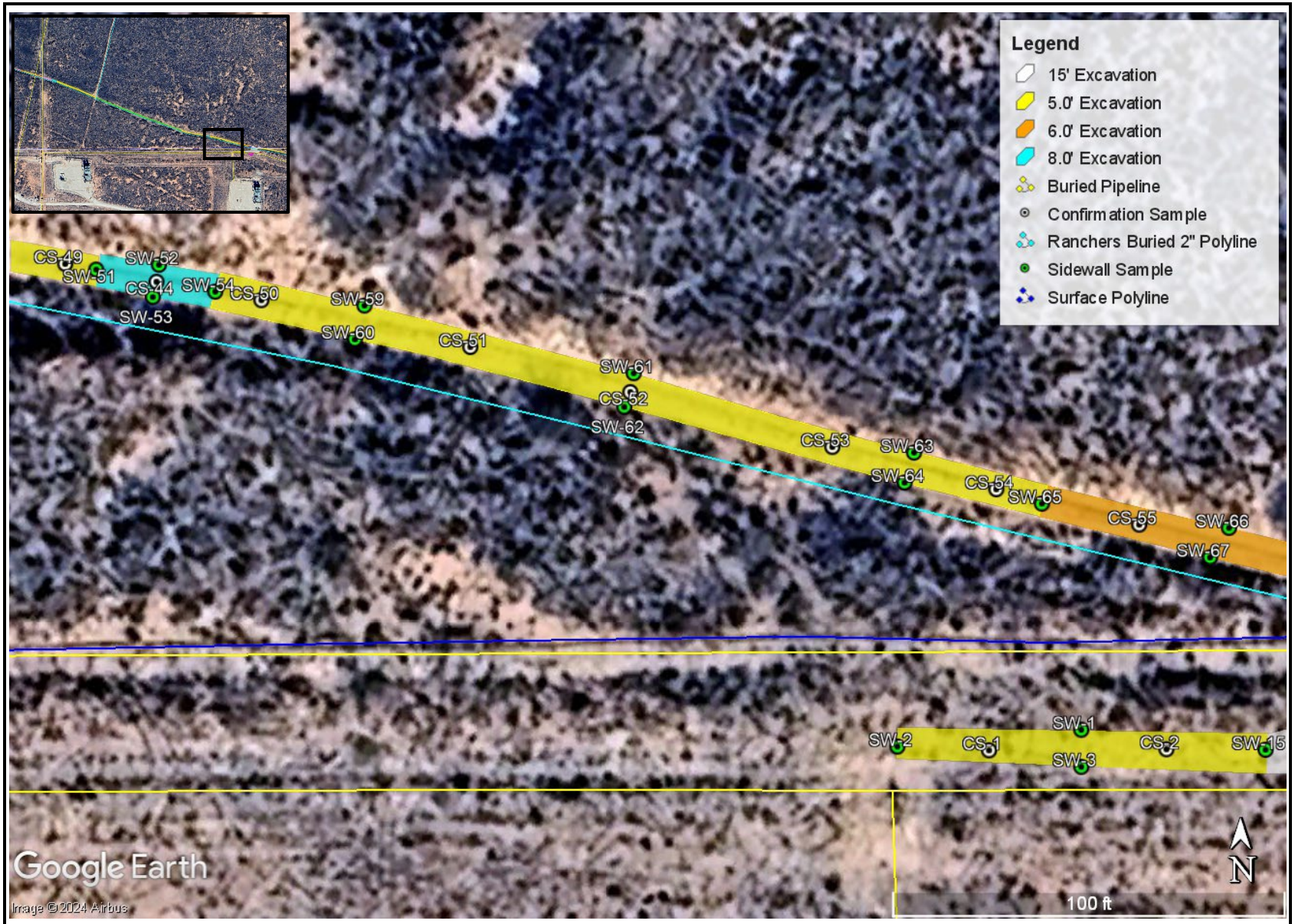
EXCAVATION DEPTH MAP DELEK LOGISTICS COMPANY URACAS 8 (05.01.2024) LEA COUNTY, NEW MEXICO 32.326469°, -103.652200°	CARMONA RESOURCES	FIGURE 4



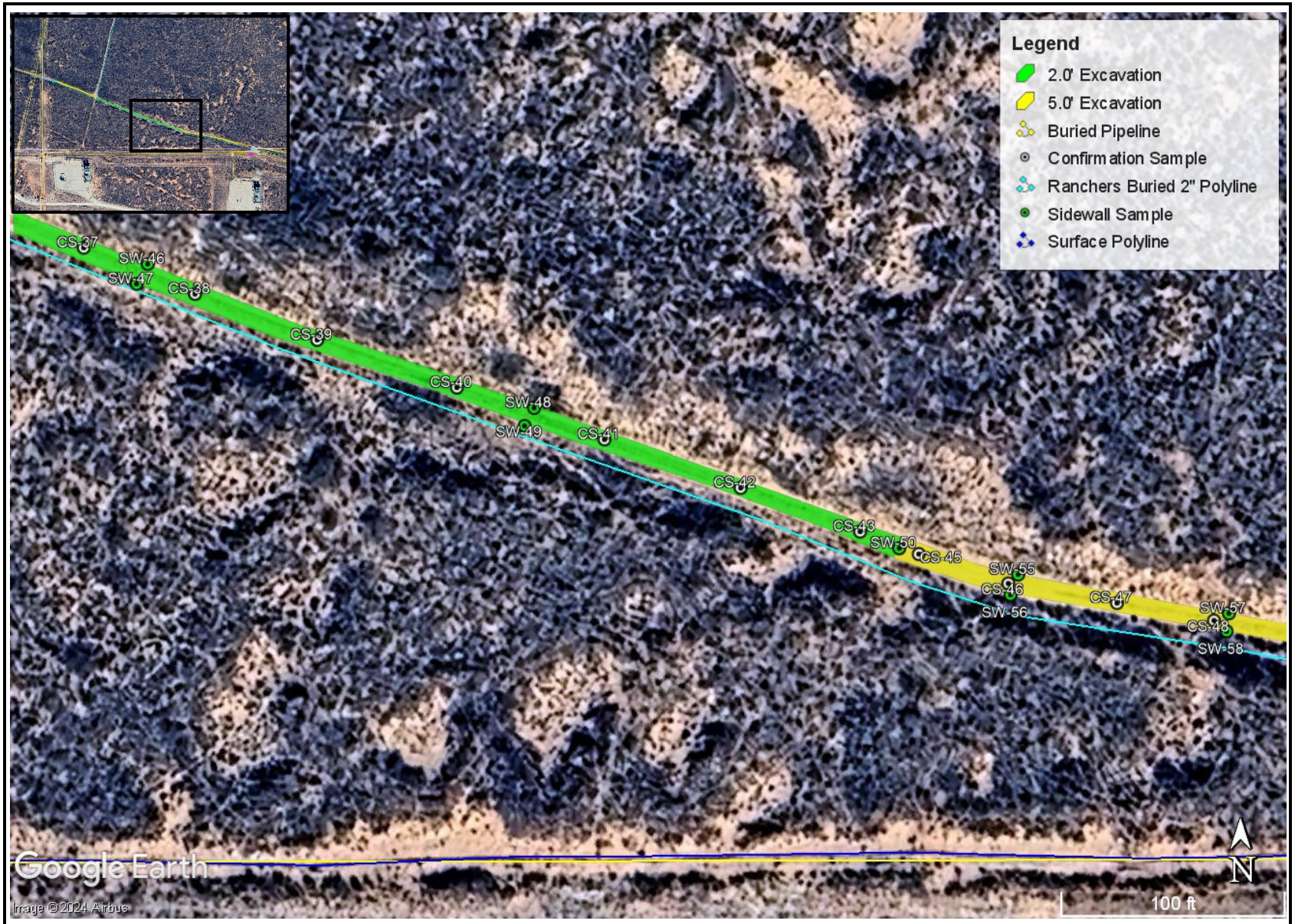
EXCAVATION DEPTH MAP DELEK LOGISTICS COMPANY URACAS 8 (05.01.2024) LEA COUNTY, NEW MEXICO 32.326469°, -103.652200°	CARMONA RESOURCES	FIGURE 4a



EXCAVATION DEPTH MAP DELEK LOGISTICS COMPANY URACAS 8 (05.01.2024) LEA COUNTY, NEW MEXICO 32.326469°, -103.652200°	CARMONA RESOURCES	FIGURE 4b



EXCAVATION DEPTH MAP DELEK LOGISTICS COMPANY URACAS 8 (05.01.2024) LEA COUNTY, NEW MEXICO 32.326469°, -103.652200°	CARMONA RESOURCES	FIGURE 4c



EXCAVATION DEPTH MAP DELEK LOGISTICS COMPANY URACAS 8 (05.01.2024) LEA COUNTY, NEW MEXICO 32.326469°, -103.652200°	CARMONA RESOURCES	FIGURE 4d

EXCAVATION DEPTH MAP DELEK LOGISTICS COMPANY URACAS 8 (05.01.2024) LEA COUNTY, NEW MEXICO 32.326469°, -103.652200°	CARMONA RESOURCES	FIGURE 4e

EXCAVATION DEPTH MAP DELEK LOGISTICS COMPANY URACAS 8 (05.01.2024) LEA COUNTY, NEW MEXICO 32.326469°, -103.652200°	CARMONA RESOURCES	FIGURE 4f

APPENDIX A

CARMONA RESOURCES

Table 1
Delek Logistics Companies
Uracas 8 (05.01.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-1	5/8/2024	0-1'	**4,030**	**10,400**	<250	**14,400**	**30.3**	**135**	43.5	**255**	**466**	4.98
	"	1.5'	**5,030**	**11,600**	<249	**16,600**	**22.3**	**192**	39.4	**300**	**553**	5.18
	"	2.0'	**4,150**	**10,800**	<249	**15,000**	9.34	**135**	29.1	**220**	**394**	5.11
	"	3.0'	**3,810**	**10,400**	<249	**14,200**	6.97	**110**	25.1	**191**	**333**	5.10
	"	4.0'	**14,400**	**18,300**	<250	**32,700**	**113**	**887**	**135**	**922**	**2,060**	<5.02
	"	5.0'	**2,010**	**2,880**	<49.8	**4,890**	8.97	**196**	33.9	**308**	**547**	<5.03
T-2	5/8/2024	0-1'	**6,550**	**10,700**	<249	**17,300**	**47.1**	**701**	**79.8**	**467**	**1,290**	<4.97
	"	1.5'	**5,090**	**8,010**	<249	**13,100**	**54.2**	**551**	**78.1**	**484**	**1,170**	<4.98
	"	2.0'	**5,960**	**10,100**	<248	**16,100**	**30.7**	**457**	**62.6**	**432**	**983**	<5.04
	"	3.0'	**7,680**	**11,100**	<250	**18,800**	**37.2**	**806**	**64.8**	**1,100**	**1,870**	<4.99
	"	4.0'	**8,910**	**12,800**	<250	**21,700**	**42.8**	**680**	**90.8**	**727**	**1,520**	<5.03
	"	5.0'	92.2	340	<49.8	432	5.94	**58.4**	9.75	**72.7**	**147**	<5.02
	"	6.0'	**10,600**	**15,700**	<249	**26,300**	**41.3**	**642**	**103**	**862**	**1,600**	<4.99
	"	7.0'	**21,200**	**26,900**	<249	**48,100**	**190**	**1,200**	**242**	**1,400**	**3,030**	<5.00
	"	8.0	<50.0	63.6	<50.0	63.6	<0.0500	0.168	<0.0500	0.143	0.311	<4.97
T-3	5/8/2024	0-1'	**5,310**	**9,580**	<250	**14,900**	**41.7**	**283**	**72.7**	**437**	**834**	<5.01
	"	1.5'	**6,960**	**10,500**	<249	**17,500**	7.20	**74.0**	25.8	**150**	**257**	<5.00
	"	2.0'	**7,150**	**9,650**	<249	**16,800**	**43.1**	**259**	**74.3**	**366**	**742**	7.86
	"	3.0'	**870**	**2,500**	<49.8	**3,370**	1.63	37.2	8.67	**91.0**	**133**	7.59
	"	4.0'	**571**	**3,010**	<49.7	**3,580**	0.869	17.3	6.09	39.0	**63.2**	6.85
	"	5.0'	<50.0	75.5	<50.0	75.5	<0.00201	0.00888	0.0116	0.0640	0.0845	14.3
T-4	5/8/2024	0-1'	**4,580**	**10,700**	1,230	**16,500**	5.45	**82.5**	33.0	**141**	**262**	<5.03
	"	1.5'	<49.7	192	<49.7	192	0.00201	0.0404	0.0454	0.234	0.322	<5.02
	"	2.0'	<49.8	114	<49.8	114	<0.00199	0.00393	0.00397	0.0198	0.0277	6.62
	"	3.0'	<49.9	155	<49.9	155	<0.00202	0.0221	0.0272	0.132	0.181	<5.02
	"	4.0'	<49.9	68.9	<49.9	68.9	<0.00199	<0.00199	0.00215	0.00997	0.0121	<4.99
T-5	5/8/2024	0-1'	**2,400**	**10,700**	1,290	**14,400**	3.29	35.6	15.0	**65.1**	**119**	<5.02
	"	1.5'	**1,090**	**1,320**	150	**2,560**	2.38	25.0	9.70	43.9	**81.0**	<4.97
	"	2.0'	<49.8	91.0	<49.8	91.0	0.00388	0.0261	0.00897	0.0474	0.0864	<4.99
	"	3.0'	<49.8	216	<49.8	216	0.00246	0.0593	0.0572	0.306	0.425	<5.02
	"	4.0'	<50.0	172	<50.0	172	<0.00199	0.00234	<0.00199	0.00846	0.0108	<5.00
T-6	5/8/2024	0-1'	**2,050**	**25,400**	**2,810**	**30,300**	1.91	18.7	6.73	34.5	**61.9**	6.27
	"	1.5'	**11,000**	**19,200**	2,240	**32,400**	**31.5**	**303**	**82.0**	**369**	**786**	<4.97
	"	2.0'	**8,250**	**15,200**	1,850	**25,300**	**27.9**	**595**	**167**	**744**	**1,530**	<5.02
	"	3.0'	**236**	**1,100**	123	1,460	0.226	10.8	<9.98	31.3	42.3	<4.99
	"	4.0'	54.6	433	<49.9	488	0.0323	0.593	0.180	0.876	1.68	<4.98
	"	5.0'	<49.8	88.8	<49.8	88.8	0.00535	0.0704	0.0477	0.218	0.341	<5.02
Regulatory Criteria [A]			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg

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

Table 1
Delek Logistics Companies
Uracas 8 (05.01.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-7	5/8/2024	0-1'	**5,530**	**7,650**	**968**	**14,100**	**59.5**	**373**	**120**	**491**	**1,040**	<4.97
	"	1.5'	**11,100**	**10,700**	**1,290**	**23,100**	**124**	**1,220**	**133**	**1,370**	**2,680**	5.78
	"	2.0'	<49.8	214	<49.8	214	0.00779	0.114	0.0873	0.464	0.673	<4.95
	"	3.0'	<50.0	442	<50.0	442	<0.0502	0.228	0.186	1.45	1.87	9.43
	"	4.0'	**314**	**979**	<49.8	1,290	0.0246	0.227	0.0799	0.548	0.88	<4.99
T-8	5/8/2024	0-1'	**2,390**	**10,400**	<249	**12,800**	1.11	8.48	8.97	**53.4**	**72.0**	5.28
	"	1.5'	**3,720**	**13,000**	<249	**16,700**	2.34	**59.1**	26.8	**170**	**258**	<4.97
	"	2.0'	**3,330**	**9,270**	<248	**12,600**	2.05	41.7	17.7	**114**	**175**	<4.98
	"	3.0'	**216**	**1,740**	<49.6	1,960	0.00295	0.200	0.162	0.583	1.27	<5.02
	"	4.0'	**193**	**1,580**	<49.6	1,770	0.00781	0.369	0.216	1.03	1.78	<4.96
T-9	5/8/2024	0-1'	**5,360**	**12,500**	<248	**17,900**	**30.4**	**138**	32.7	**168**	**369**	6.61
	"	1.5'	**11,000**	**14,800**	<250	**25,800**	**142**	**1,550**	**120**	**500**	**2,310**	<4.97
	"	2.0'	**3,090**	**4,430**	<250	**7,520**	**24.5**	**128**	33.0	**130**	**316**	<5.02
	"	3.0'	**330**	**1,390**	<49.8	**1,720**	0.163	11.1	0.398	12.5	24.1	<5.01
	"	4.0'	**2,450**	**4,610**	<249	**7,060**	**10.1**	**64.4**	17.0	**85.9**	**177**	<5.00
	"	5.0'	**4,390**	**5,900**	<248	**10,300**	**22.7**	**95.8**	21.2	**105**	**245**	<4.96
	"	6.0'	**642**	**1,590**	<49.8	2,230	3.02	18.4	5.38	26.3	**53.1**	8.73
	"	7.0'	<49.8	82.7	<49.8	82.7	0.00359	0.0196	0.0144	0.111	0.149	49.7
	"	8.0	<49.9	<49.9	<49.9	<49.9	0.00227	0.00648	<0.00199	0.0069	0.0157	62.3
T-10	5/8/2024	0-1'	**3,200**	**7,440**	<250	**10,600**	**10.1**	**93.9**	30.2	**166**	**300**	<5.02
	"	1.5'	**4,020**	**6,480**	<250	**10,500**	**31.1**	**166**	36.9	**192**	**426**	<4.97
	"	2.0'	**4,480**	**6,540**	<249	**11,000**	**29.2**	**126**	26.5	**136**	**318**	<5.03
	"	3.0'	**8,150**	**10,400**	<249	**18,600**	**73.6**	**645**	**57.3**	**258**	**1,030**	<4.99
	"	4.0'	**10,400**	**8,120**	1,220	**19,700**	**168**	**757**	**187**	**671**	**1,780**	<4.97
	"	5.0'	<49.8	<49.8	<49.8	<49.8	0.00525	0.00634	<0.00200	<0.00401	0.0116	<4.98
T-11	5/8/2024	0-1'	**5,280**	**7,310**	**1,060**	**13,700**	**91.9**	**619**	**164**	**933**	**1,810**	5.22
	"	2.0'	**8,020**	**8,380**	**1,210**	**17,600**	**117**	**550**	**116**	**664**	**1,450**	7.74
	"	3.0'	**17,700**	**15,300**	**2,350**	**35,400**	**233**	**858**	**160**	**938**	**2,190**	<5.03
	"	4.0'	**32,700**	**26,200**	**4,150**	**63,100**	**400**	**1,250**	**249**	**1,220**	**3,120**	11.0
	"	5.0'	<49.8	182	<49.8	182	0.0416	0.0415	0.00330	0.0170	0.103	6.23
	"	6.0'	**10,300**	**26,700**	**3,890**	**40,900**	**160**	**642**	**152**	**789**	**1,740**	12.0
	"	7.0'	**14,700**	**15,300**	**2,510**	**32,500**	**143**	**734**	**176**	**899**	**1,950**	15.5
	"	8.0	**14,600**	**10,500**	**1,610**	**26,700**	**643**	**2,010**	**388**	**1,900**	**4,940**	57.1
	"	9.0	**9,780**	**6,490**	**888**	**17,200**	**582**	**1,710**	**290**	**1,580**	**4,160**	157
	"	10.0	**12,200**	**8,130**	**1,180**	**21,500**	**297**	**859**	**159**	**811**	**2,130**	133
	"	11.0	**9,180**	**6,980**	**927**	**17,100**	**262**	**898**	**131**	**774**	**2,070**	102
Regulatory Criteria [A]			**1,000 mg/kg**		-	**2,500 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**20,000 mg/kg**

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

Table 1
Delek Logistics Companies
Uracas 8 (05.01.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	5/3/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7.58
H-2	5/3/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.97
H-3	5/3/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.0283	0.220	0.0271	0.154	0.430	<5.02
H-4	5/3/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	0.00206	0.0147	0.00562	0.0249	0.0473	<4.97
H-5	5/3/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.00523	0.0100	0.00430	0.0214	0.0409	<5.00
H-6	5/3/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	0.0125	0.0470	0.0170	0.0823	0.159	<5.03
H-7	5/3/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	0.0118	0.0148	0.00464	0.0247	0.0560	<4.97
H-8	5/3/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	0.0144	0.0204	0.00516	0.0289	0.0689	<4.96
H-9	5/3/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.0106	0.0111	0.00314	0.0188	0.0437	<5.02
H-10	5/3/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	0.00312	0.00331	<0.00200	<0.00401	0.00643	<5.00
H-11	5/3/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.00793	0.00966	<0.00198	0.00915	0.0267	<4.98
H-12	5/3/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	0.00351	0.0102	0.00644	0.0378	0.0580	<5.00
H-13	5/3/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	0.131	0.0792	0.00639	0.0270	0.244	<4.99
H-14	5/3/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.185	0.325	0.0151	0.0540	0.579	<5.04
H-15	5/3/2024	0-0.5'	<50.4	<50.4	<50.4	<50.4	0.0237	0.0171	<0.00202	<0.00404	0.0408	<4.97
H-16	5/3/2024	0-0.5'	<50.5	<50.5	<50.5	<50.5	0.286	0.206	0.00807	0.0372	0.537	<5.00
H-17	5/3/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	0.250	0.195	0.00864	0.0441	0.498	<5.03
H-18	5/3/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	0.249	0.109	0.00954	0.0754	0.443	<4.99
H-19	5/3/2024	0-0.5'	<50.2	<50.2	<50.2	<50.2	0.109	0.141	0.00763	0.0388	0.296	<4.98
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

Table 2
Delek Logistics Companies
Uracas 8 (05.01.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	6/26/2024	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43.1
CS-2	6/26/2024	5.0'	<49.7	80.4	<49.7	80.4	<0.00201	0.0132	0.00314	0.0195	0.0358	41.1
CS-3	6/27/2024	11.0'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	96.2
	9/5/2024	15.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3.33
CS-4	6/27/2024	11.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	39.0
CS-5	6/27/2024	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	33.2
CS-6	6/27/2024	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	71.1
CS-7	6/28/2024	11.0'	56.8	66.4	<50.0	123	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	249
	9/5/2024	15.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2.30
CS-8	6/28/2024	7.0'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	36.9
	9/5/2024	15.0'	<50.0	83.4	<50.0	83.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3.70
CS-9	6/28/2024	7.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	0.00235	<0.00202	<0.00404	<0.00404	74.5
	9/5/2024	15.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.97
CS-10	6/28/2024	7.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	38.3
	9/5/2024	15.0'	<50.0	131	<50.0	131	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	200
CS-11	7/2/2024	12.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	37.4
CS-12	7/2/2024	12.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	37.7
CS-13	7/2/2024	12.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	58.8
CS-14	7/15/2024	12.0'	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	35.8
CS-15	7/15/2024	6.0'	<50.5	236	<50.5	236	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	39.1
CS-16	7/15/2024	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	0.0192	0.0192	17.0
CS-17	7/15/2024	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	32.5
CS-18	7/15/2024	8.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	26.7
CS-19	7/15/2024	8.0'	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	32.7
CS-20	7/15/2024	5.0'	<50.4	163	<50.4	163	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	46.6
CS-21	7/15/2024	5.0'	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	0.0327	0.0327	210
CS-22	7/15/2024	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	317
CS-23	7/15/2024	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	272
CS-24	7/15/2024	5.0'	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	232
CS-25	7/15/2024	5.0'	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	187
CS-26	7/15/2024	5.0'	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	181
CS-27	7/15/2024	5.0'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	191
CS-28	7/15/2024	5.0'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	200
CS-29	7/15/2024	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.1
CS-30	7/15/2024	6.0'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	34.1
CS-31	7/15/2024	6.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	30.0
Regulatory Criteria [A]			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg

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

Table 2
Delek Logistics Companies
Uracas 8 (05.01.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-31	7/15/2024	6.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	30.0
CS-32	7/15/2024	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-33	7/15/2024	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-34	7/15/2024	2.0'	<10.0	11.6	<10.0	11.6	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-35	7/15/2024	2.0'	<10.0	**104**	31.5	**136**	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	9/5/2024	2.25'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.8
CS-36	7/15/2024	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-37	7/15/2024	2.0'	<10.0	16.8	<10.0	16.8	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-38	7/15/2024	2.0'	<10.0	**158**	27.1	**185**	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	9/5/2024	2.25'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	14.9
CS-39	7/15/2024	2.0'	<10.0	41.2	<10.0	41.2	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-40	7/15/2024	2.0'	<10.0	11.7	<10.0	11.7	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-41	7/15/2024	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-42	7/15/2024	2.0'	<10.0	12.1	<10.0	12.1	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-43	7/15/2024	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-44	7/15/2024	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-45	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-46	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-47	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-48	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-49	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-50	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-51	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-52	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-53	7/16/2024	5.0'	<10.0	10.2	<10.0	10.2	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-54	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-55	7/16/2024	6.0'	<10.0	17.3	<10.0	17.3	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-56	7/16/2024	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-57	7/16/2024	10.0'	<10.0	30.6	<10.0	30.6	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-58	7/19/2024	15.0'	<50.4	<50.4	<50.4	<50.4	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	196
CS-59	7/19/2024	15.0'	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	210
CS-60	7/19/2024	15.0'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	141
CS-61	7/19/2024	15.0'	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	151
CS-62	7/19/2024	15.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	105
CS-63	9/5/2024	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	101
CS-64	9/5/2024	20.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	111
CS-65	9/5/2024	20.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	25.3
Regulatory Criteria [A]			1,000 mg/kg		-	2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg

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

Table 2
Delek Logistics Companies
Uracas 8 (05.01.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	6/26/2024	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	39.0
SW-2	6/26/2024	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	67.6
SW-3	6/26/2024	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	0.00756	0.00380	0.0285	0.0398	41.8
SW-4	6/27/2024	11.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	31.1
SW-5	6/27/2024	11.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	116
SW-6	6/27/2024	11.0'	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	35.9
SW-7	6/27/2024	5.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	63.9
SW-8	6/27/2024	5.0'	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	66.8
SW-9	6/27/2024	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	40.7
SW-10	6/28/2024	11.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	224
	9/5/2024	15.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	177
SW-11	6/28/2024	11.0'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	239
	9/5/2024	15.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5.85
SW-12	6/28/2024	4.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	144
	9/5/2024	4.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	172
SW-13	6/28/2024	7.0'	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	83.5
	9/5/2024	15.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	445
SW-14	6/28/2024	7.0'	<49.8	<49.8	<49.8	<49.8	0.00264	0.00376	<0.00200	<0.00401	0.00640	104
	9/5/2024	15.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	523
SW-15	6/28/2024	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	40.0
	9/5/2024	10.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	162
SW-16	7/2/2024	12.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	23.8
SW-17	7/2/2024	12.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	45.3
SW-18	7/2/2024	12.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	0.0121	0.0121	32.2
SW-19	7/2/2024	12.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	0.0144	0.0144	30.8
SW-20	7/15/2024	12.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	40.4
SW-21	7/15/2024	12.0'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.9
SW-22	7/15/2024	6.0'	<50.4	55.6	<50.4	55.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	31.9
SW-23	7/15/2024	12.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	31.5
SW-24	7/15/2024	6.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	0.00967	0.00967	346
SW-25	7/15/2024	6.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	306
SW-26	7/15/2024	1.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	194
SW-27	7/15/2024	5.0'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	390
SW-28	7/15/2024	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	134
SW-29	7/15/2024	4.0'	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	160
SW-30	7/15/2024	8.0'	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	35.4
SW-31	7/15/2024	8.0'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	74.7
SW-32	7/15/2024	3.0'	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	29.7
SW-33	7/15/2024	5.0'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	38.4
SW-34	7/15/2024	5.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.4
SW-35	7/15/2024	5.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	35.7
SW-36	7/15/2024	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	30.8
SW-37	7/15/2024	5.0'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.02
SW-38	7/15/2024	5.0'	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	39.8
SW-39	7/15/2024	6.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	37.5
SW-40	7/15/2024	6.0'	<50.4	<50.4	<50.4	<50.4	0.00749	0.128	0.0627	0.316	0.514	28.0
Regulatory Criteria[A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

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

Table 2
Delek Logistics Companies
Uracas 8 (05.01.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-40	7/15/2024	6.0'	<50.4	<50.4	<50.4	<50.4	0.00749	0.128	0.0627	0.316	0.514	28.0
SW-41	7/15/2024	6.0'	<50.2	<50.2	<50.2	<50.2	0.00562	0.0944	0.0446	0.232	0.376	35.1
SW-42	7/15/2024	1.0'	<50.5	<50.5	<50.5	<50.5	<0.00200	0.00958	0.00462	0.0292	0.0434	44.6
SW-43	7/15/2024	3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-44	7/15/2024	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-45	7/15/2024	2.0'	<10.0	66.8	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-46	7/15/2024	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-47	7/15/2024	2.0'	<10.0	12.2	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-48	7/15/2024	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-49	7/15/2024	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-50	7/15/2024	3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-51	7/15/2024	3.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-52	7/15/2024	8.0'	<10.0	44.3	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-53	7/15/2024	8.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-54	7/15/2024	3.0'	<10.0	10.5	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-55	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-56	7/16/2024	5.0'	<10.0	52.2	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-57	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-58	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-59	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-60	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-61	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-62	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-63	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-64	7/16/2024	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-65	7/16/2024	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-66	7/16/2024	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-67	7/16/2024	6.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-68	7/16/2024	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-69	7/16/2024	10.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-70	7/19/2024	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	264
SW-71	7/19/2024	15.0'	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	14.9
SW-72	7/19/2024	15.0'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	191
SW-73	7/19/2024	15.0'	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	121
SW-74	7/19/2024	15.0'	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	166
SW-75	7/19/2024	15.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	152
SW-76	7/19/2024	15.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	103
SW-77	7/19/2024	15.0'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	238
SW-78	7/19/2024	15.0'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	188
SW-79	7/19/2024	15.0'	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	97.7
SW-80	7/19/2024	15.0'	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	321
Regulatory Criteria[A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

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

Table 2
Delek Logistics Companies
Uracas 8 (05.01.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-81	9/5/2024	15.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1.67
SW-82	9/5/2024	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.9
SW-83	9/5/2024	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	11.4
SW-84	9/5/2024	20.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	21.8
SW-85	9/5/2024	20.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	22.1
SW-86	9/5/2024	20.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14.4
SW-87	9/5/2024	20.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.8
SW-88	9/5/2024	20.0'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	55.3
SW-89	9/5/2024	20.0'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<1.01
SW-90	9/5/2024	5.0'	<49.8	**481**	<49.8	**481**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1.01
	9/10/2024	5.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<4.99
SW-91	9/5/2024	5.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<1.00
Backfill Sample	7/18/2024	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5.39
Regulatory Criteria [A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

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

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 1

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View Southwest, area of CS-14 through CS-17.

Photograph No. 2

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

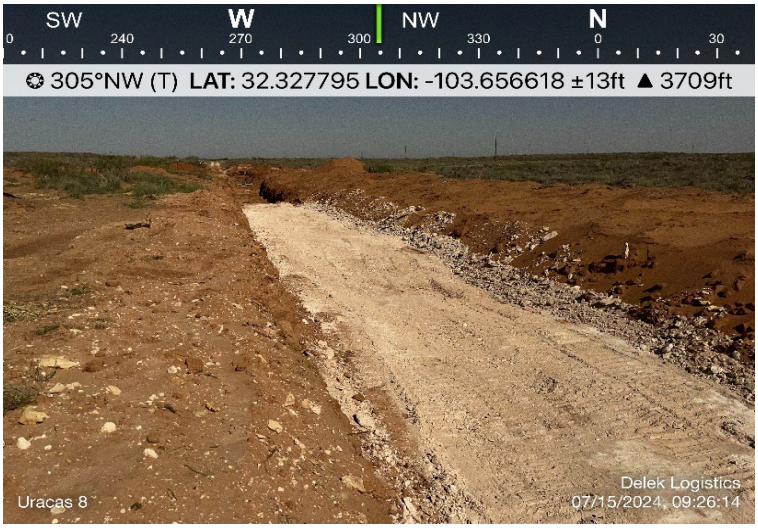
Description:
View East, area of CS-30 through CS-31, CS-11 through CS-13, and CS-18 through CS-19.

Photograph No. 3

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View Northwest, area of CS-18 through CS-24.



CARMONA RESOURCES

PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 4

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View East, area of CS-25 through CS-29.

Photograph No. 5

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View Southeast, area of CS-32 through CS-37.

Photograph No. 6

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View East, area of CS-38 through CS-43.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 7

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View East, area of CS-45 through CS-51.

Photograph No. 8

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View Southeast, area of CS-44.

Photograph No. 9

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View Southeast, area of CS-44 and CS-50 through CS-54.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

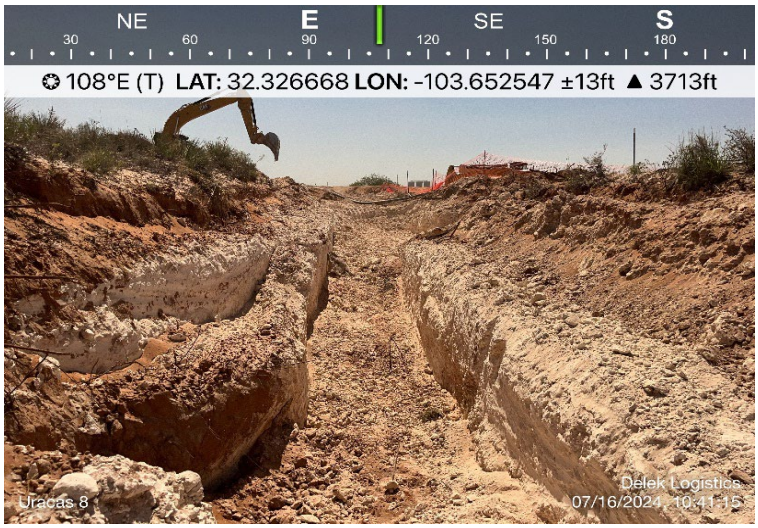
Delek Logistics Company

Photograph No. 10

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View East, area of CS-55 through CS-57.



Photograph No. 11

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View Southeast, area of CS-57 through CS-50.

Photograph No. 12

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View Southeast, area of CS-44 and CS-50 through CS-54.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 13

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View West, area of CS-1 through CS-2.

Photograph No. 14

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View Northwest, areas of CS-8 through CS-10 and CS-58 through CS-59.

Photograph No. 15

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View Northeast, areas of CS-3 through CS-4, CS-7, and CS-60 through CS-61.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 16

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View Southwest, area of CS-64 through CS-65.

Photograph No. 17

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View West, area of CS-62 through CS-63.

Photograph No. 18

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View East, area of CS-5 through CS-6.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 19

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View South, area of backfill pit.

Photograph No. 20

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

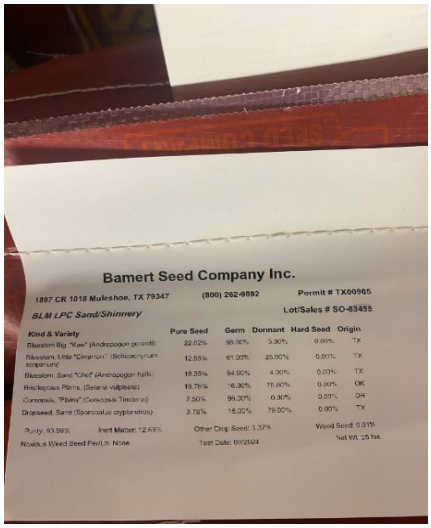
Description:
View Southwest, area of backfill pit.

Photograph No. 21

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
View of backfill seed mix



PHOTOGRAPHIC LOG

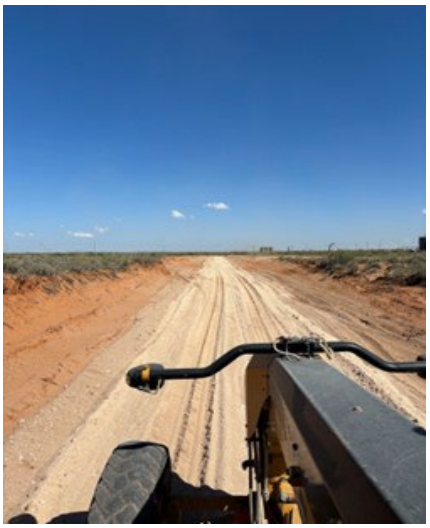
Delek Logistics Company

Photograph No. 22

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
Reinstalling grazing tenants access road to cattle pens and water trough.



Photograph No. 23

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
Reinstalling grazing tenants access road to cattle pens and water trough.

Photograph No. 24

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
Reclamation and Reseeding Overview.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Delek Logistics Company

Photograph No. 25

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
Reinstalling grazing tenants access road to cattle pens and water trough.

Photograph No. 26

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
Reinstalling grazing tenants access road to cattle pens and water trough.

Photograph No. 27

Facility: Uracas 8 (05.01.2024)

County: Lea County, New Mexico

Description:
Reclamation and Reseeding Overview.

CARMONA RESOURCES

APPENDIX C

CARMONA RESOURCES

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

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

QUESTIONS

Action 340127

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 310 Seven Springs Way Suite 50 Brentwood, TN 37027	OGRID: 330291
	Action Number: 340127
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Uracas 8
Date Release Discovered	05/01/2024
Surface Owner	Federal

Incident Details *Please answer all the questions in this group.*	
Incident Type	Oil 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	Cause: Corrosion | Pipeline (Any) | Crude Oil | Released: 110 BBL | Recovered: 50 BBL | Lost: 60 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	*Not answered.*
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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

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

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 310 Seven Springs Way Suite 50 Brentwood, TN 37027	OGRID: 330291
	Action Number: 340127
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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

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

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

ACKNOWLEDGMENTS

Operator: DKL Energy - Cottonwood, LLC 310 Seven Springs Way Suite 50 Brentwood, TN 37027	OGRID: 330291
	Action Number: 340127
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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

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

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 310 Seven Springs Way Suite 50 Brentwood, TN 37027	OGRID: 330291
	Action Number: 340127
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

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

Proposed Excavation Depth Map

Delek Logistics Company
Uracas 8 (05.01.2024)
32.326482°, -103.652207°

Estimated Cubic Yardage to be romoved:
3,775 Total CY
4,342 CY with 15% fluff

Legend

- Buried Pipeline
- Point of Release
- Proposed 1.5' Excavation
- Proposed 12'-14'+ Excavation
- Proposed 2.0' Excavation
- Proposed 4.0' Excavation
- Proposed 5.0' Excavation
- Proposed 7.0' Excavation
- Proposed 8.0' Excavation
- Ranchers Buried 2" Polyline
- Surface Polyline
- Trenching Sample

T-1
T-2
T-3
T-4
T-5
T-6
T-7
T-8
T-9
T-10
T-11
POR

Google Earth

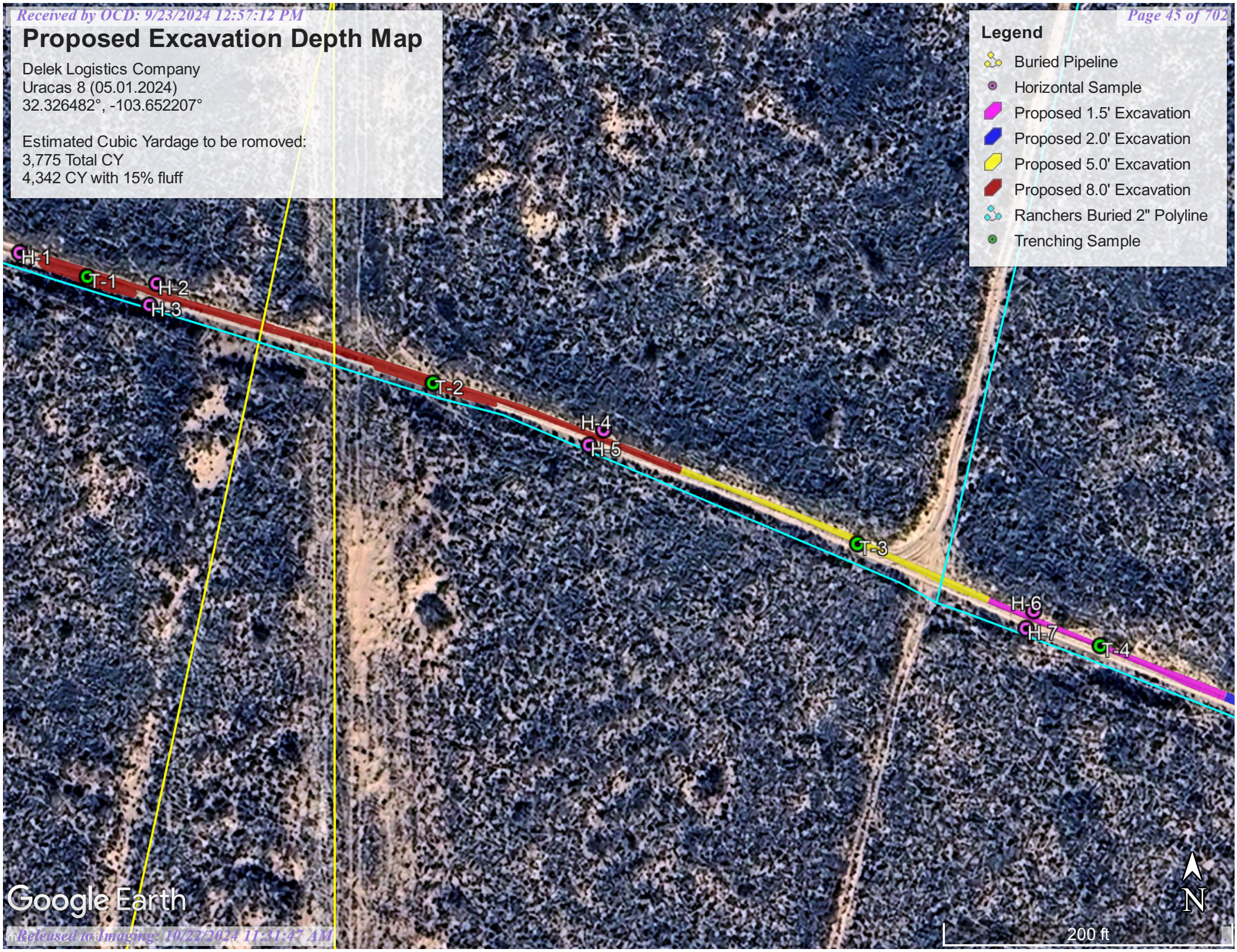
600 ft

N

Proposed Excavation Depth Map

Delek Logistics Company
Uracas 8 (05.01.2024)
32.326482°, -103.652207°

Estimated Cubic Yardage to be romoved:
3,775 Total CY
4,342 CY with 15% fluff

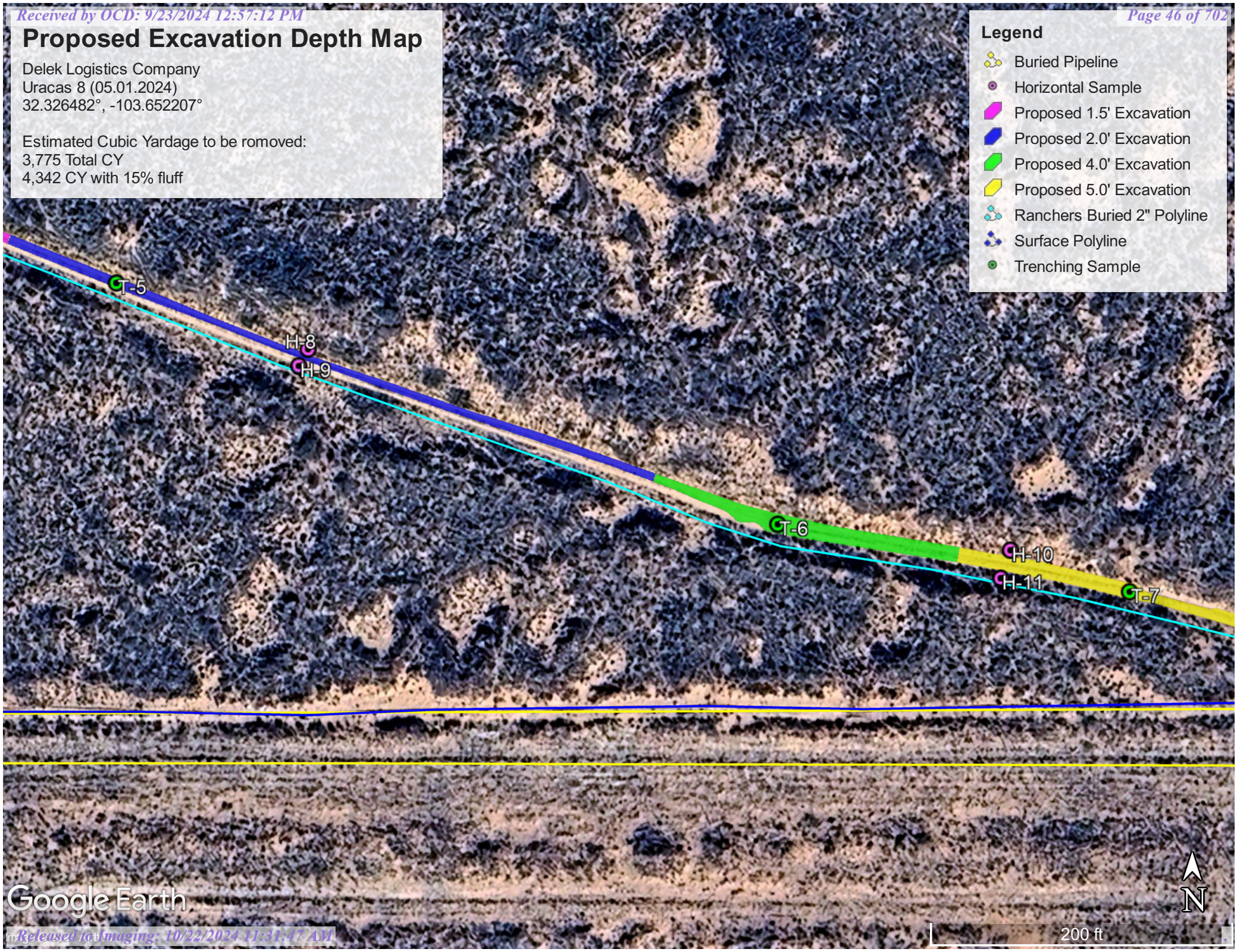


Received by OCD: 9/23/2024 12:57:12 PM

Proposed Excavation Depth Map

Delek Logistics Company
Uracas 8 (05.01.2024)
32.326482°, -103.652207°

Estimated Cubic Yardage to be romoved:
3,775 Total CY
4,342 CY with 15% fluff



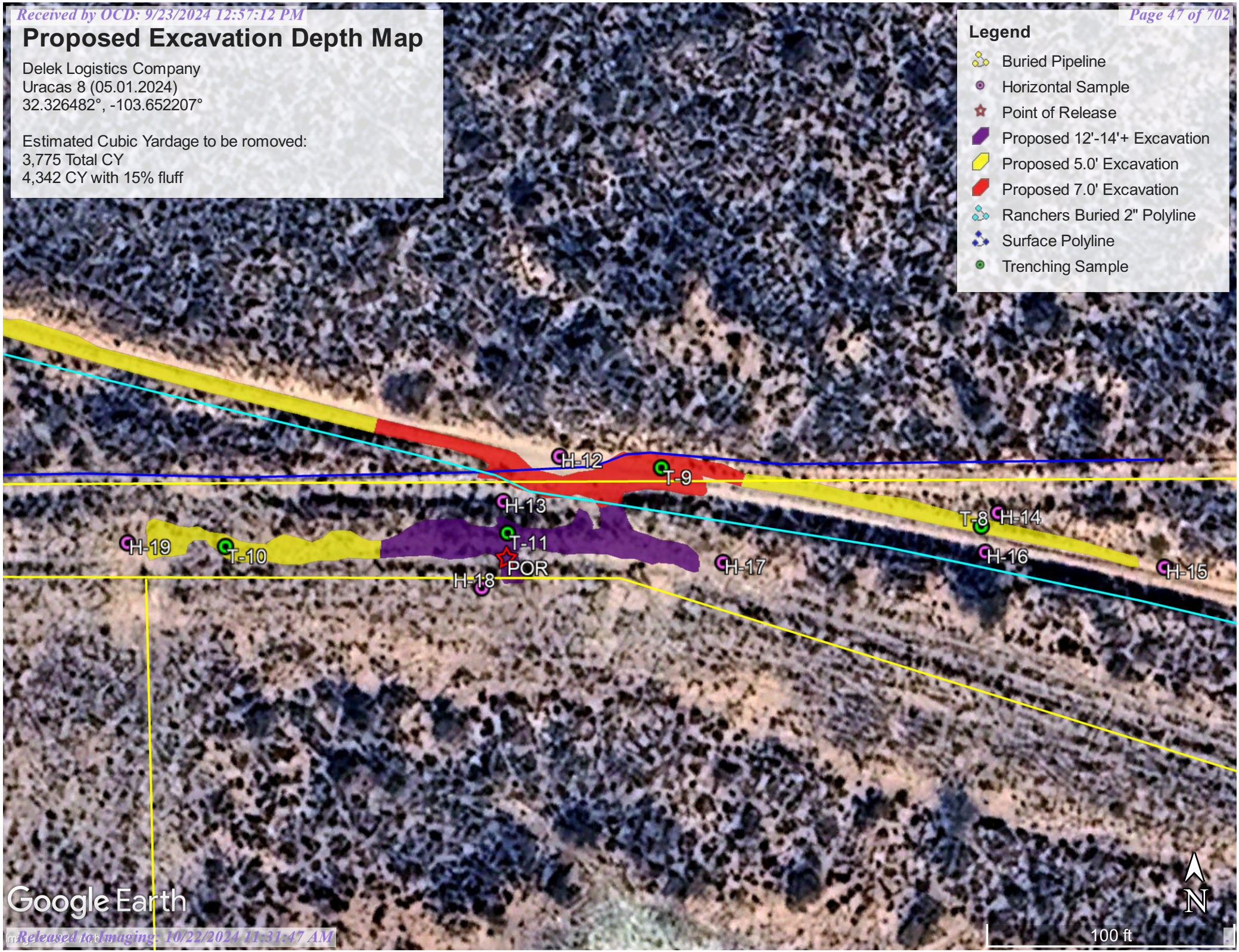
Released to Imaging: 10/22/2024 11:31:47 AM

Received by OCD: 9/23/2024 12:57:12 PM

Proposed Excavation Depth Map

Delek Logistics Company
Uracas 8 (05.01.2024)
32.326482°, -103.652207°

Estimated Cubic Yardage to be romoved:
3,775 Total CY
4,342 CY with 15% fluff



Released to Imaging: 10/22/2024 11:31:47 AM

Table 1
Delek Logistics Companies
Uracas 8 (05.01.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-1	5/8/2024	0-1'	**4,030**	**10,400**	<250	**14,400**	**30.3**	**135**	43.5	**255**	**466**	4.98
	"	1.5'	**5,030**	**11,600**	<249	**16,600**	**22.3**	**192**	39.4	**300**	**553**	5.18
	"	2.0'	**4,150**	**10,800**	<249	**15,000**	9.34	**135**	29.1	**220**	**394**	5.11
	"	3.0'	**3,810**	**10,400**	<249	**14,200**	6.97	**110**	25.1	**191**	**333**	5.10
	"	4.0'	**14,400**	**18,300**	<250	**32,700**	**113**	**887**	**135**	**922**	**2,060**	<5.02
	"	5.0'	**2,010**	**2,880**	<49.8	**4,890**	8.97	**196**	33.9	**308**	**547**	<5.03
T-2	5/8/2024	0-1'	**6,550**	**10,700**	<249	**17,300**	**47.1**	**701**	**79.8**	**467**	**1,290**	<4.97
	"	1.5'	**5,090**	**8,010**	<249	**13,100**	**54.2**	**551**	**78.1**	**484**	**1,170**	<4.98
	"	2.0'	**5,960**	**10,100**	<248	**16,100**	**30.7**	**457**	**62.6**	**432**	**983**	<5.04
	"	3.0'	**7,680**	**11,100**	<250	**18,800**	**37.2**	**806**	**64.8**	**1,100**	**1,870**	<4.99
	"	4.0'	**8,910**	**12,800**	<250	**21,700**	**42.8**	**680**	**90.8**	**727**	**1,520**	<5.03
	"	5.0'	92.2	340	<49.8	432	5.94	**58.4**	9.75	**72.7**	**147**	<5.02
	"	6.0'	**10,600**	**15,700**	<249	**26,300**	**41.3**	**642**	**103**	**862**	**1,600**	<4.99
	"	7.0'	**21,200**	**26,900**	<249	**48,100**	**190**	**1,200**	**242**	**1,400**	**3,030**	<5.00
	"	8.0	<50.0	63.6	<50.0	63.6	<0.0500	0.168	<0.0500	0.143	0.311	<4.97
T-3	5/8/2024	0-1'	**5,310**	**9,580**	<250	**14,900**	**41.7**	**283**	**72.7**	**437**	**834**	<5.01
	"	1.5'	**6,960**	**10,500**	<249	**17,500**	7.20	**74.0**	25.8	**150**	**257**	<5.00
	"	2.0'	**7,150**	**9,650**	<249	**16,800**	**43.1**	**259**	**74.3**	**366**	**742**	7.86
	"	3.0'	**870**	**2,500**	<49.8	**3,370**	1.63	37.2	8.67	**91.0**	**133**	7.59
	"	4.0'	**571**	**3,010**	<49.7	**3,580**	0.869	17.3	6.09	39.0	**63.2**	6.85
	"	5.0'	<50.0	75.5	<50.0	75.5	<0.00201	0.00888	0.0116	0.0640	0.0845	14.3
T-4	5/8/2024	0-1'	**4,580**	**10,700**	1,230	**16,500**	5.45	**82.5**	33.0	**141**	**262**	<5.03
	"	1.5'	<49.7	192	<49.7	192	0.00201	0.0404	0.0454	0.234	0.322	<5.02
	"	2.0'	<49.8	114	<49.8	114	<0.00199	0.00393	0.00397	0.0198	0.0277	6.62
	"	3.0'	<49.9	155	<49.9	155	<0.00202	0.0221	0.0272	0.132	0.181	<5.02
	"	4.0'	<49.9	68.9	<49.9	68.9	<0.00199	<0.00199	0.00215	0.00997	0.0121	<4.99
T-5	5/8/2024	0-1'	**2,400**	**10,700**	1,290	**14,400**	3.29	35.6	15.0	**65.1**	**119**	<5.02
	"	1.5'	**1,090**	**1,320**	150	**2,560**	2.38	25.0	9.70	43.9	**81.0**	<4.97
	"	2.0'	<49.8	91.0	<49.8	91.0	0.00388	0.0261	0.00897	0.0474	0.0864	<4.99
	"	3.0'	<49.8	216	<49.8	216	0.00246	0.0593	0.0572	0.306	0.425	<5.02
	"	4.0'	<50.0	172	<50.0	172	<0.00199	0.00234	<0.00199	0.00846	0.0108	<5.00
T-6	5/8/2024	0-1'	**2,050**	**25,400**	**2,810**	**30,300**	1.91	18.7	6.73	34.5	**61.9**	6.27
	"	1.5'	**11,000**	**19,200**	2,240	**32,400**	**31.5**	**303**	**82.0**	**369**	**786**	<4.97
	"	2.0'	**8,250**	**15,200**	1,850	**25,300**	**27.9**	**595**	**167**	**744**	**1,530**	<5.02
	"	3.0'	**236**	**1,100**	123	1,460	0.226	10.8	<9.98	31.3	42.3	<4.99
	"	4.0'	54.6	433	<49.9	488	0.0323	0.593	0.180	0.876	1.68	<4.98
	"	5.0'	<49.8	88.8	<49.8	88.8	0.00535	0.0704	0.0477	0.218	0.341	<5.02
Regulatory Criteria [A]			1,000 mg/kg		-	**2,500 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**10,000 mg/kg**

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

Table 1
Delek Logistics Companies
Uracas 8 (05.01.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-7	5/8/2024	0-1'	**5,530**	**7,650**	**968**	**14,100**	**59.5**	**373**	**120**	**491**	**1,040**	<4.97
	"	1.5'	**11,100**	**10,700**	**1,290**	**23,100**	**124**	**1,220**	**133**	**1,370**	**2,680**	5.78
	"	2.0'	<49.8	214	<49.8	214	0.00779	0.114	0.0873	0.464	0.673	<4.95
	"	3.0'	<50.0	442	<50.0	442	<0.0502	0.228	0.186	1.45	1.87	9.43
	"	4.0'	**314**	**979**	<49.8	1,290	0.0246	0.227	0.0799	0.548	0.88	<4.99
T-8	5/8/2024	0-1'	**2,390**	**10,400**	<249	**12,800**	1.11	8.48	8.97	**53.4**	**72.0**	5.28
	"	1.5'	**3,720**	**13,000**	<249	**16,700**	2.34	**59.1**	26.8	**170**	**258**	<4.97
	"	2.0'	**3,330**	**9,270**	<248	**12,600**	2.05	41.7	17.7	**114**	**175**	<4.98
	"	3.0'	**216**	**1,740**	<49.6	1,960	0.00295	0.200	0.162	0.583	1.27	<5.02
	"	4.0'	**193**	**1,580**	<49.6	1,770	0.00781	0.369	0.216	1.03	1.78	<4.96
T-9	5/8/2024	0-1'	**5,360**	**12,500**	<248	**17,900**	**30.4**	**138**	32.7	**168**	**369**	6.61
	"	1.5'	**11,000**	**14,800**	<250	**25,800**	**142**	**1,550**	**120**	**500**	**2,310**	<4.97
	"	2.0'	**3,090**	**4,430**	<250	**7,520**	**24.5**	**128**	33.0	**130**	**316**	<5.02
	"	3.0'	**330**	**1,390**	<49.8	**1,720**	0.163	11.1	0.398	12.5	24.1	<5.01
	"	4.0'	**2,450**	**4,610**	<249	**7,060**	**10.1**	**64.4**	17.0	**85.9**	**177**	<5.00
	"	5.0'	**4,390**	**5,900**	<248	**10,300**	**22.7**	**95.8**	21.2	**105**	**245**	<4.96
	"	6.0'	**642**	**1,590**	<49.8	2,230	3.02	18.4	5.38	26.3	**53.1**	8.73
	"	7.0'	<49.8	82.7	<49.8	82.7	0.00359	0.0196	0.0144	0.111	0.149	49.7
	"	8.0	<49.9	<49.9	<49.9	<49.9	0.00227	0.00648	<0.00199	0.0069	0.0157	62.3
T-10	5/8/2024	0-1'	**3,200**	**7,440**	<250	**10,600**	**10.1**	**93.9**	30.2	**166**	**300**	<5.02
	"	1.5'	**4,020**	**6,480**	<250	**10,500**	**31.1**	**166**	36.9	**192**	**426**	<4.97
	"	2.0'	**4,480**	**6,540**	<249	**11,000**	**29.2**	**126**	26.5	**136**	**318**	<5.03
	"	3.0'	**8,150**	**10,400**	<249	**18,600**	**73.6**	**645**	**57.3**	**258**	**1,030**	<4.99
	"	4.0'	**10,400**	**8,120**	1220	**19,700**	**168**	**757**	**187**	**671**	**1,780**	<4.97
	"	5.0'	<49.8	<49.8	<49.8	<49.8	0.00525	0.00634	<0.00200	<0.00401	0.0116	<4.98
T-11	5/8/2024	0-1'	**5,280**	**7,310**	**1,060**	**13,700**	**91.9**	**619**	**164**	**933**	**1,810**	5.22
	"	2.0'	**8,020**	**8,380**	**1,210**	**17,600**	**117**	**550**	**116**	**664**	**1,450**	7.74
	"	3.0'	**17,700**	**15,300**	**2,350**	**35,400**	**233**	**858**	**160**	**938**	**2,190**	<5.03
	"	4.0'	**32,700**	**26,200**	**4,150**	**63,100**	**400**	**1,250**	**249**	**1,220**	**3,120**	11.0
	"	5.0'	<49.8	182	<49.8	182	0.0416	0.0415	0.00330	0.0170	0.103	6.23
	"	6.0'	**10,300**	**26,700**	**3,890**	**40,900**	**160**	**642**	**152**	**789**	**1,740**	12.0
	"	7.0'	**14,700**	**15,300**	**2,510**	**32,500**	**143**	**734**	**176**	**899**	**1,950**	15.5
	"	8.0	**14,600**	**10,500**	**1,610**	**26,700**	**643**	**2,010**	**388**	**1,900**	**4,940**	57.1
	"	9.0	**9,780**	**6,490**	**888**	**17,200**	**582**	**1,710**	**290**	**1,580**	**4,160**	157
	"	10.0	**12,200**	**8,130**	**1,180**	**21,500**	**297**	**859**	**159**	**811**	**2,130**	133
	"	11.0	**9,180**	**6,980**	**927**	**17,100**	**262**	**898**	**131**	**774**	**2,070**	102
Regulatory Criteria [A]			1,000 mg/kg		-	**2,500 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**10,000 mg/kg**

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

Table 1
Delek Logistics Companies
Uracas 8 (05.01.2024)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	5/3/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7.58
H-2	5/3/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.97
H-3	5/3/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.0283	0.220	0.0271	0.154	0.430	<5.02
H-4	5/3/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	0.00206	0.0147	0.00562	0.0249	0.0473	<4.97
H-5	5/3/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.00523	0.0100	0.00430	0.0214	0.0409	<5.00
H-6	5/3/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	0.0125	0.0470	0.0170	0.0823	0.159	<5.03
H-7	5/3/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	0.0118	0.0148	0.00464	0.0247	0.0560	<4.97
H-8	5/3/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	0.0144	0.0204	0.00516	0.0289	0.0689	<4.96
H-9	5/3/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.0106	0.0111	0.00314	0.0188	0.0437	<5.02
H-10	5/3/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	0.00312	0.00331	<0.00200	<0.00401	0.00643	<5.00
H-11	5/3/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.00793	0.00966	<0.00198	0.00915	0.0267	<4.98
H-12	5/3/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	0.00351	0.0102	0.00644	0.0378	0.0580	<5.00
H-13	5/3/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	0.131	0.0792	0.00639	0.0270	0.244	<4.99
H-14	5/3/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.185	0.325	0.0151	0.0540	0.579	<5.04
H-15	5/3/2024	0-0.5'	<50.4	<50.4	<50.4	<50.4	0.0237	0.0171	<0.00202	<0.00404	0.0408	<4.97
H-16	5/3/2024	0-0.5'	<50.5	<50.5	<50.5	<50.5	0.286	0.206	0.00807	0.0372	0.537	<5.00
H-17	5/3/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	0.250	0.195	0.00864	0.0441	0.498	<5.03
H-18	5/3/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	0.249	0.109	0.00954	0.0754	0.443	<4.99
H-19	5/3/2024	0-0.5'	<50.2	<50.2	<50.2	<50.2	0.109	0.141	0.00763	0.0388	0.296	<4.98
Regulatory Criteria [A]			1,000 mg/kg		-	**2,500 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**10,000 mg/kg**

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

Received by OCD: 9/23/2024 12:57:12 PM

Nearest Water Well

Delek Logistics Companies

GWDB - >106' - 04.12.2023

486.60' - Drilled 2013

196.65' - Drilled 1986

Uracas 8 (05.01.2024)

550' NMOSE Estimation - 2014

105 GWDB' - 04.10.2023

Legend

- ~550' NMOSE Estimation - 2014
- 0.50 Mile Radius
- 0.50 miles
- 0.50 Miles
- 0.61 Miles
- 0.78 Miles
- 1.14 Miles
- 1.20 Miles
- Area of Concern
- Groundwater Determination Bore
- Uracas 8 (05.01.2024)
- USGS Water Well

Google Earth

Released to Imaging: 10/22/2024 11:31:47 AM

Image © 2024 Airbus

N

1 mi

Received by OCD: 9/23/2024 12:57:12 PM

Groundwater Map

Delek Logisitcs

110' GWDB - Drilled 2022

55' GWDB - Drilled 2023

GWDB - >106' - 04.12.2023

486.60' - Drilled 2013

196.65' - Drilled 1986

~550' NMOSE Estimation - 2014

Uracas 8 (05.01.2024)

105 GWDB' - 04.10.2023

55' GWDB - Drilled 2023

55' GWDB - Drilled 2023

478.47' - Drilled 1976

400' - Drilled 1912

713' - Drilled 2015

470.50' - Drilled 1976

400' - Drilled 1980

400' - Drilled 1957

400' - Drilled 1974

400' - Drilled 1981

400' - Drilled 1981

400' - Drilled 1981

GWDB - 55'

400' - Drilled 1944

Legend

- ~550' NMOSE Estimation - 2014
- 0.50 Mile Radius
- 0.50 miles
- Area of Concern
- Groundwater Determination Bore
- NMSEO Water Well
- Uracas 8 (05.01.2024)
- USGS Water Well

Google Earth

2 mi

N

Released to Imaging: 10/22/2024 11:31:47 AM

Image © 2024 Airbus

Low Karst

Delek Logistics Companies

Legend

Low

Uracas 8 (05.01.2024)

Uracas 8 (05.01.2024)

Google Earth

Released to Imaging: 10/22/2024 11:31:47 AM

Image © 2024 Airbus

N

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-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02349	CUB	ED		2	3	03	23S	32E	625678	3578004*	1296	525		
C 02216	CUB	LE	2	2	4	21	23S	32E	625035	3573261*	4514	585	400	185
C 04712 POD2	CUB	LE	4	4	4	17	23S	32E	623332	3574331	4653	55		

Average Depth to Water: **400 feet**

Minimum Depth: **400 feet**

Maximum Depth: **400 feet**

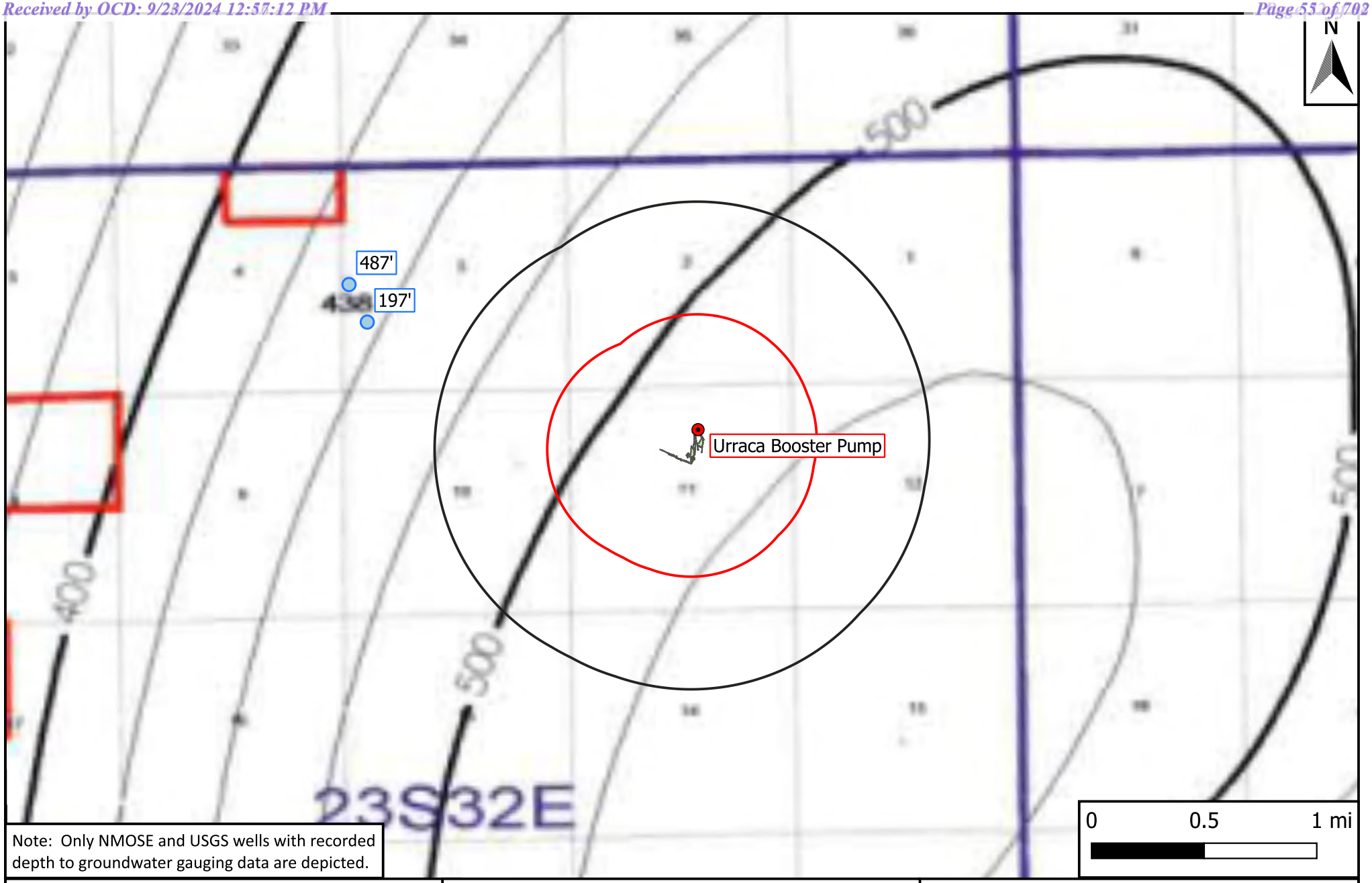
Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 626827.4 **Northing (Y):** 3577404 **Radius:** 5000

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

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



Note: Only NMOSE and USGS wells with recorded depth to groundwater gauging data are depicted.

Legend

- Site Location
- Well - Exploratory
- Well - NMOSE
- Well - USGS
- 0.5-Mi. Radius
- 1-Mi. Radius
- Affected Area

Figure 5
Inferred Depth to Groundwater Map
Solaris Water Midstream, LLC
Urraca Booster Pump
GPS: 32.32348, -103.64382
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 2/6/24

Extracted from the "Application for Permit to Drill or Reenter" for NMOCD Well #30-025-42255, dated February 26, 2014.

Application to Drill
Urraca Federal Com 24H
Cimarex Energy Co.
UL: B, Sec. 11, 23S, 32E
Lea Co., NM

In response to questions asked under Section II B of Bulletin NTL-6, the following information is provided for your consideration:

1. Location: SHL 330' FNL 1750' FEL
BHL 330' FSL 1325' FEL

2. Elevation Above Sea Level: 3,724' GR

3. Geologic Name of Surface Formation: Quaternary Alluvium Deposits

4. Drilling Tools and Associated Equipment: Conventional rotary drilling rig using fluid as a circulating medium for solids removal

5. Proposed Drilling Depth: 14,138 MD 9,700 TVD Pilot Hole TD: N/A

6. Estimated Tops of Geological Markers:

Formation	Est Top	Bearing
Rustler	1180	N/A
Salt	1410	N/A
Castille	3550	N/A
Base Last Salt	4635	N/A
Lamar	4900	N/A
Bell Canyon	4955	N/A
Cherry Canyon	5865	N/A
Brushy Canyon	7150	Hydrocarbons
Bone Spring	8800	Hydrocarbons
Avalon Shale	9330	Hydrocarbons

7. Possible Mineral Bearing Formation: Shown above

7A. OSE Ground Water Estimated Depth: 550'

8. Casing Program:

Name	Casing Depth From (ft)	Casing Setting Depth (ft) MD	Casing Setting Depth (ft)TVD	Open Hole Size (inches)	Casing Size (inches)	Casing Weight (lb/ft)	Casing Grade	Thread	Conditon	BHP (psig)	Anticipated Mud Weight (ppg)	Collapse SF at Full Evacuation(1.125)	Collapse SF at 1/3 Evacuation(1.125)	Burst SF (1.125)	Cumulative Air Weight	Cumulative Bouyed Weight (lbs)	Bouyant Tension SF (1.8)
Surface	0	~~1230~~ 1300'	~~1230~~	17 1/2	13-3/8"	48.00	H-40	ST&C	New	530	8.3	1.39		3.26	59,040	51,559	6.25
Intermediate	0	4920	4920	12 1/4	9-5/8"	40.00	J-55	LT&C	New	2558	10.0		1.53	1.54	196,800	166,754	3.12
Production	0	9223	9223	8 3/4	5-1/2"	17.00	L-80	LT&C	New	4316	9.0	1.46		1.79	164,900	142,242	2.38
Production	9223	14138	9700	8 3/4	5-1/2"	17.00	L-80	BT&C	New	4539	9.0	1.39		1.71	8,109	6,995	56.76

SPR COA

Note: Operator may drill a 8-1/2" OH from end of curve to TD of the well. This is to reduce the need to ream the conventionally drilled curve to run a RSS assembly into the lateral.

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho measu

Groundwater | New Mexico | GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321952103400801

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

USGS 321952103400801 23S.32E.03.311114

Lea County, New Mexico
Latitude 32°19'59.2", Longitude 103°40'12.6" NAD83
Land-surface elevation 3,648.00 feet above NGVD29
The depth of the well is 630 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1976-12-09		D	62610		3227.43	NGVD29	1	Z			A
1976-12-09		D	62611		3229.14	NAVD88	1	Z			A
1976-12-09		D	72019	420.57			1	Z			A
1981-03-26		D	62610		3209.66	NGVD29	P	Z			A
1981-03-26		D	62611		3211.37	NAVD88	P	Z			A
1981-03-26		D	72019	438.34			P	Z			A
1981-05-21		D	62610		3210.33	NGVD29	1	Z			A
1981-05-21		D	62611		3212.04	NAVD88	1	Z			A
1981-05-21		D	72019	437.67			1	Z			A
1986-04-17		D	62610		3209.32	NGVD29	1	Z			A
1986-04-17		D	62611		3211.03	NAVD88	1	Z			A
1986-04-17		D	72019	438.68			1	Z			A
1991-05-30		D	62610		3210.07	NGVD29	1	Z			A
1991-05-30		D	62611		3211.78	NAVD88	1	Z			A
1991-05-30		D	72019	437.93			1	Z			A
1992-11-05		D	62610		3209.88	NGVD29	1	S			A
1992-11-05		D	62611		3211.59	NAVD88	1	S			A
1992-11-05		D	72019	438.12			1	S			A
1996-03-15		D	62610		3210.18	NGVD29	1	S			A
1996-03-15		D	62611		3211.89	NAVD88	1	S			A
1996-03-15		D	72019	437.82			1	S			A
2013-01-17	01:00 UTC	m	62610		3161.40	NGVD29	P	S	USGS	S	A
2013-01-17	01:00 UTC	m	62611		3163.11	NAVD88	P	S	USGS	S	A
2013-01-17	01:00 UTC	m	72019	486.60			P	S	USGS	S	A

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho measu

Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-05-02 09:01:23 EDT
0.43 0.27 nadww01

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho measu

Groundwater | New Mexico | GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321950103400601

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

USGS 321950103400601 23S.32E.03.31110

Lea County, New Mexico
Latitude 32°19'50", Longitude 103°40'06" NAD27
Land-surface elevation 3,668 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1972-09-13		D	62610		3462.10	NGVD29	1	Z			A
1972-09-13		D	62611		3463.82	NAVD88	1	Z			A
1972-09-13		D	72019	204.18			1	Z			A
1977-03-10		D	62610		3452.43	NGVD29	1	Z			A
1977-03-10		D	62611		3454.15	NAVD88	1	Z			A
1977-03-10		D	72019	213.85			1	Z			A
1981-03-26		D	62610		3468.94	NGVD29	1	Z			A
1981-03-26		D	62611		3470.66	NAVD88	1	Z			A
1981-03-26		D	72019	197.34			1	Z			A
1986-04-16		D	62610		3469.63	NGVD29	1	Z			A
1986-04-16		D	62611		3471.35	NAVD88	1	Z			A
1986-04-16		D	72019	196.65			1	Z			A

Explanation

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

Received by OCD: 9/23/2024 12:57:12 PM

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho measu

Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-05-02 09:00:03 EDT
0.43 0.3 nadww02

Released to Imaging: 10/22/2024 11:31:47 AM

Project Name :	**Cuevo Federal 20H**	**Date :**	**Monday, April 10, 2023**
Project No. :		**Sampler :**	**Michael Collier**
Location :	**Lea County, New Mexico**		
Coordinates :	**32.310922°, -103.644669°**	**Driller :**	**H&R Enterprises**
Elevation :	**3,730'**	**Method :**	**Air Rotary**

Depth (ft.)	WL	Soil Description	Lithology
0		(0'-5') - Organic topsoil, no gravel or caliche.	
5		(5') - Light brown well graded gravel, caliche, no organics, dry (GM).	
10		(10') - Light brown well graded gravel, caliche, no organics, dry (GM).	
15		(15') - Light brown well graded gravel, caliche, no organics, dry (GM).	
20		(20') - Brown/Light brown well graded gravel, 70% Caliche, 30% Silty Sand, no organics, dry (SW).	
25		(25') - Brown/Light brown well graded gravel, 70% Caliche, 30% Silty Sand, no organics, dry (SW).	
30		(30') - Brown/Light brown well graded gravel, 70% Caliche, 30% Silty Sand, no organics, dry (SW).	
35		(35') - Light brown well graded gravel, 90% Silty Sand, 10% Clay, dry (ML).	
40		(40') - Light brown well graded gravel, 90% Silty Sand, 10% Clay, dry (ML).	
45		(45') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
50			

Depth (ft.)	WL	Soil Description	Lithology
50		(50') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
55		(55') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
60		(60') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
65		(65') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
70		(70') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
75		(75') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
80		(80') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
85		(85') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
90		(90') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
95		(95') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
105		(100-105') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	

Comments : Boring terminated at 105' with no presence of groundwater or moisture.
Well measured 4/14/2023 with no detection of groundwater

Dry @ 105'

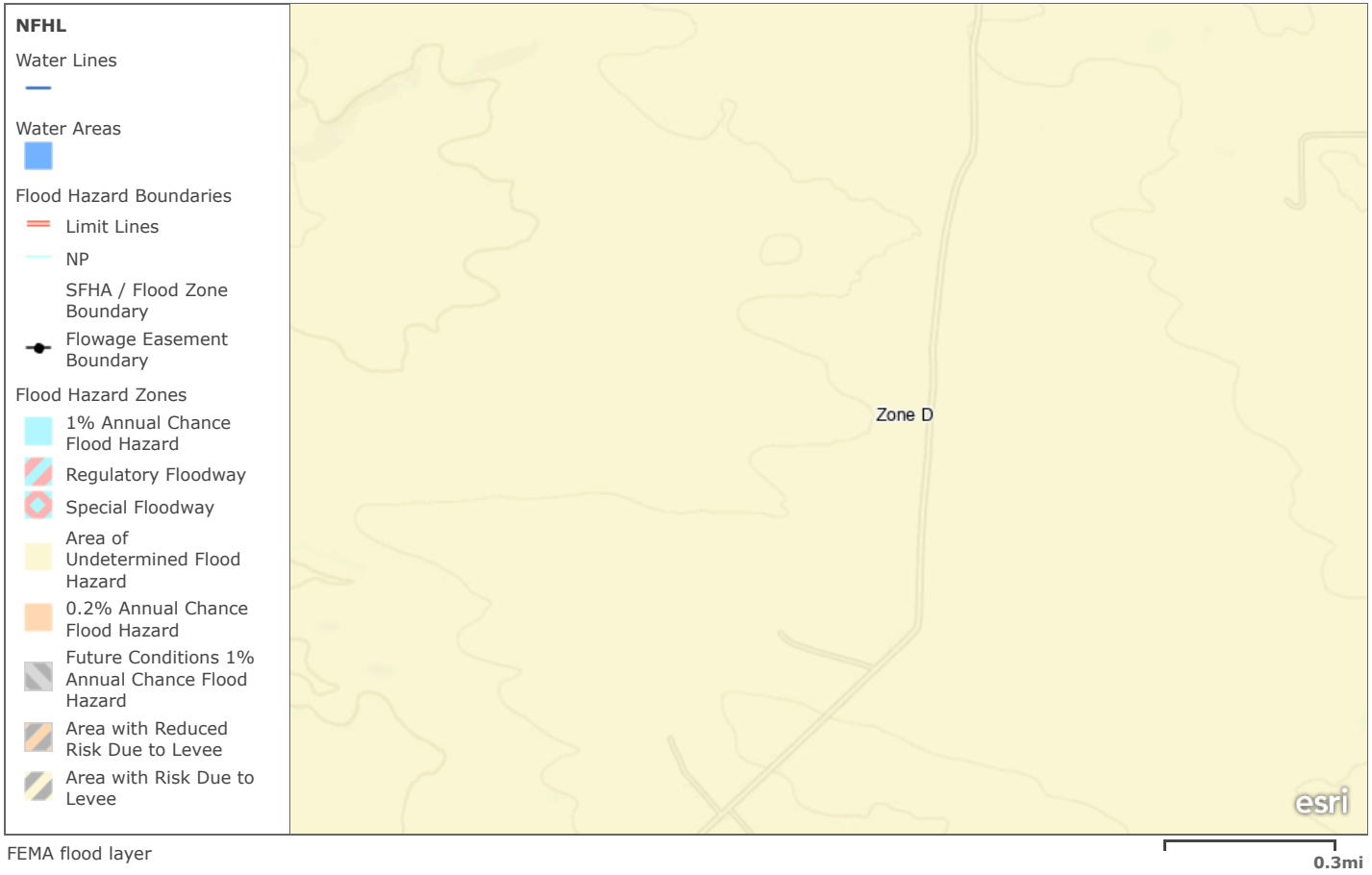
ENSOLUM

Sample Name: BH01	Date: 4/12/2023	
Site Name: Redtail State Com 001H		
Incident Number: NAPP2233239048		
Job Number: 03D2024121		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Peter Van Patten	Method: Hollow Stem
Coordinates: 32.340567,-103.639398	Hole Diameter:	Total Depth: 106'

Comments: Soil boring was advanced to a total depth of 106' bgs. No water was observed within the soil boring after at least 72 hours. On 4/17/2023 the boring was plugged and abandoned using hydrated bentonite chips.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
Dry	-	-	N	-	-	0	SP-SM	Sand (surface sample): dark tan, brown, fine grain, poorly graded, few gravel, no stain, no odor
Dry	-	-	N	-	-	10	CHHE	Caliche: off white, white, no stain, no odor
Dry	-	-	N	-	-	20	CHHE	SAA (Same as above)
Dmp	-	-	N	-	-	30	SP-SM	Sand: light tan, tan, fine-medium grain, poorly graded, some caliche gravel, slightly damp, no stain, no odor
Dry	-	-	N	-	-	40	SP-SM	Sand/Silt (Red Beds): red, pale gray/tan, very fine-fine grain, some clay, low plasticity, cohesive, little gravel, no stain, no odor
Dry	-	-	N	-	-	50	SP-SM	SAA, no gravel
Dry	-	-	N	-	-	60	SP-SM	SAA, color change to yellowish tan, dark tan
Dry	-	-	N	-	-	70	SP-SM	SAA, color change to pinkish red, brownish red
Dry	-	-	N	-	-	80	SP-SM	SAA
Dry	-	-	N	-	-	90	SP-SM	Sand: gray, light gray, some reddish gray, fine grain, poorly graded, few gravel, non cohesive no stain, no odor
Dry	-	-	N	-	-	100	SP-SM	Sand: blueish gray, gray, fine grain, poorly graded, no stain, no odor
						110		TD at 106' below ground surface
						120		

FEMA National Flood Hazard Layer (NFHL)



FEMA flood layer

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

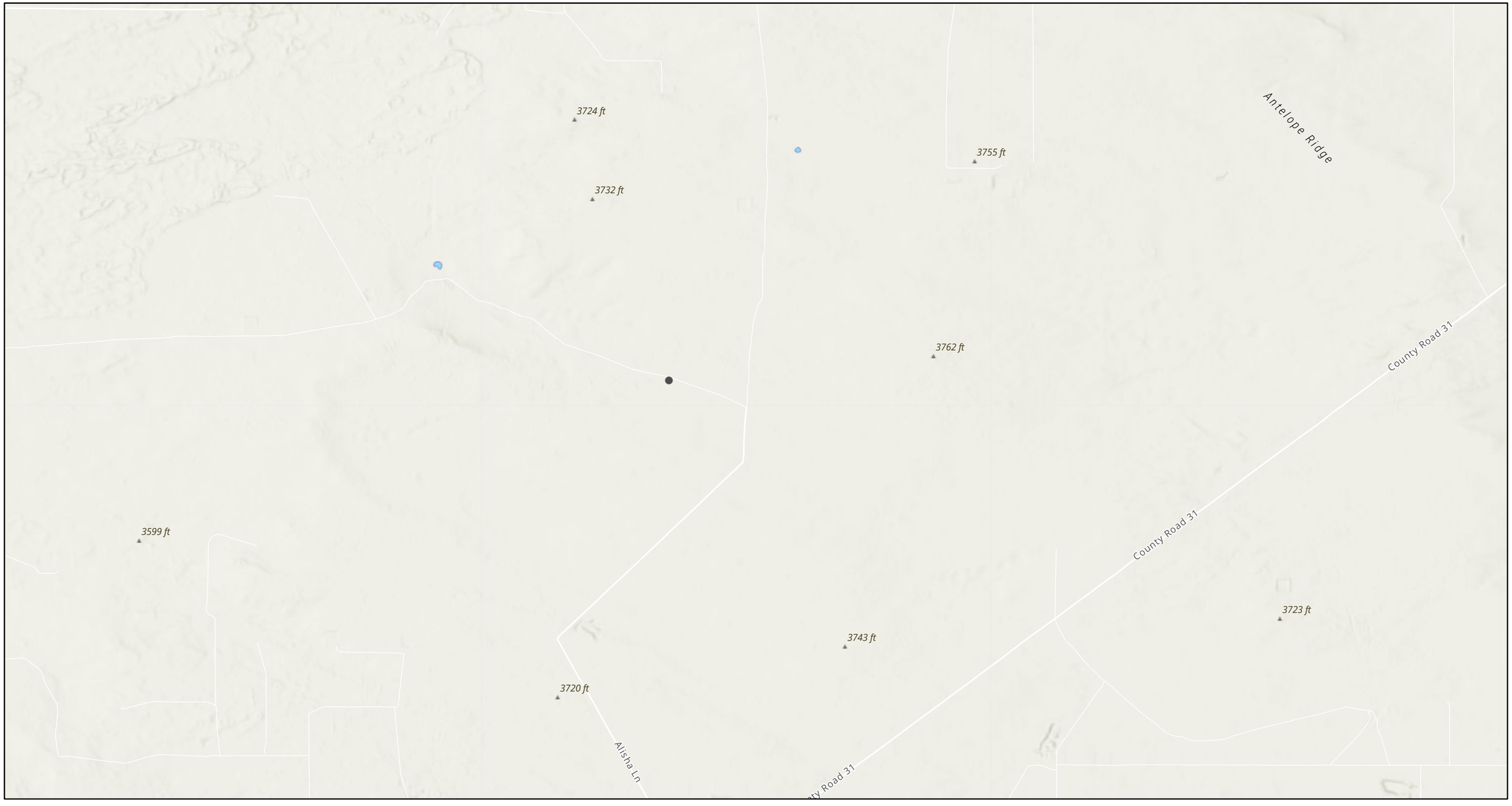
FEMA National Flood Hazard Layer (NFHL)

FEMA flood layer

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

Released to Imaging: 10/22/2024 11:31:47 AM

Uracas 8 (05.01.2024)



5/2/2024, 7:58:28 AM

OSW Water Bodys

1:36,112

0 0.38 0.75 1.5 mi

0 0.5 1 2 km

Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE

Ashton Thielke

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Monday, May 13, 2024 8:31 AM
To: Ashton Thielke
Cc: cassie.whitefield@deleklogistics.com
Subject: Re: [EXTERNAL] nAPP2412336586 - Delek Logistics - Uracas 8 (05.01.2024) - Groundwater and Confirmation Sampling Variance

Good morning Ashton,

Thank you for the inquiry. Based on the groundwater information you provided. your variance of increasing the sampling frequency from 200 to 500 square feet per one (1) five (5)-point composite sample is approved.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez ● Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Sunday, May 12, 2024 7:19 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: cassie.whitefield@deleklogistics.com <Cassie.Whitefield@deleklogistics.com>
Subject: [EXTERNAL] nAPP2412336586 - Delek Logistics - Uracas 8 (05.01.2024) - Groundwater and Confirmation Sampling Variance

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good evening Nelson,

Recently Delek Logistics (Delek) had a 110 Barrel Crude Oil release in Lea Co, New Mexico.
The release was located in a pipeline right-of-way and two-track roadway throughout the pasture.
The spill area has been mapped out and horizontally delineated.
Vertical delineation was achieved in many locations, but we encountered mechanical limitations as well as rocky conditions that limited vertical delineation during the initial site assessment.
Attached is a site map with sample locations as well as soil sample concentrations for your review.
Also attached is a map with local groundwater in the area that will be discussed below.

On behalf of Delek, we are requesting the following variances bolded below:

Sampling Variance - 19.15.29.12D (1b) NMAC
Delek is requesting a confirmation sampling variance from 200 square feet to 500 square feet composite samples.
Attached is a proposed excavation map and at a minimum, ~3,800 cubic yards of material will be removed.
As seen on Table 1 (pages 5-7), the areas of T-1, T-7, T-8, & T-11 have not been delineated and show exceedances for TPH, Benzene, and Total BTEX.
These areas will all be excavated and delineated during remediation/confirmation sampling.
Due to this release being fully located in the "pasture" and off pad, the top 4' will be remediated per strictest standards found on Table 1 of NMAC 19.15.29.
Pending your response to the request below, any impacted soil >4' will be remediated using groundwater >100' on Table 1 of NMAC 19.15.29.

Groundwater Variance - 19.15.29.11A (4) NMAC
Please review the attachment that contains the sites groundwater information. (Page 8 – 22)
The site is **not** located in a high karst environment and the nearest water feature, river, playa, etc are all greater than 1 mile away.
The site is believed to be no risk to the environment and with NMOCD approval of this variance, Delek will proceed with closure of this site using the closure criteria found on Table 1 of NMAC 19.15.29, to reflect groundwater at >100 feet.
The nearest groundwater information was found in the recent spill incident work plan (napp2310130251), stating the OSE groundwater estimation for that site (which is exactly 0.5miles east of site) is ~550' bgs.
The nearest USGS Water well has a depth of 196.65' and is located 0.61 miles northwest of the horizontal extent of the spill area.
As seen on page 9, there are multiple wells and groundwater determination bores that surround the entire area and all have reported deep groundwater or do not show evidence of groundwater shallower than 105'.
For this reason, Delek believes groundwater is >100' at this location.

Delek will begin remediation on May 13, 2024 and is expected to take a week or two to complete.
Feel free to give me a call or we can schedule a Teams meeting to discuss further if you have any questions.

Thanks!

Ashton Thielke
Senior Project Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com

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 356672

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 310 Seven Springs Way Suite 50 Brentwood, TN 37027	OGRID: 330291
	Action Number: 356672
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2412336586**
Incident Name	**NAPP2412336586 URACAS 8 @ 0**
Incident Type	**Oil Release**
Incident Status	**Notification Accepted**

Location of Release Source	
Site Name	**Uracas 8**
Date Release Discovered	**05/01/2024**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	17,200
What is the estimated number of samples that will be gathered	70
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/26/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Sampler contact-Carmona- 432-813-8988
Please provide any information necessary for navigation to sampling site	32.3261, -103.65081 Carmona resources will be onsite 6/26/24- 7/2/24 to pull composite samples before breaking for the holiday.

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

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

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 310 Seven Springs Way Suite 50 Brentwood, TN 37027	OGRID: 330291
	Action Number: 356672
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/21/2024

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 363287

QUESTIONS

Operator: DKL Field Services, LLC 310 Seven Springs Way Brentwood, TN 37027	OGRID: 372603
	Action Number: 363287
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2412336586**
Incident Name	**NAPP2412336586 URACAS 8 @ 0**
Incident Type	**Oil Release**
Incident Status	**Notification Accepted**

Location of Release Source	
Site Name	**Uracas 8**
Date Release Discovered	**05/01/2024**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	17,200
What is the estimated number of samples that will be gathered	70
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/15/2024
Time sampling will commence	12:00 PM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-8988
Please provide any information necessary for navigation to sampling site	(32.3261°, -103.65081°) Carmona Resources will be onsite from 07.15.2024 – 08.01.2024 to collect composite confirmation samples.

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 363287

CONDITIONS

Operator: DKL Field Services, LLC 310 Seven Springs Way Brentwood, TN 37027	OGRID: 372603
	Action Number: 363287
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jasonboothe	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/11/2024

Ashton Thielke

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Wednesday, July 24, 2024 9:11 AM
To: Ashton Thielke
Cc: Bratcher, Michael, EMNRD; CFO_Spill, BLM_NM; cassie.whitefield@deleklogistics.com; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD
Subject: nAPP2412336586 - Uracas 8 (05.01.2024) - 90-Day Extension Request

RE: Incident **#NAPP2412336586**

Ashton,

Your request for a 90 day extension to **October 22nd, 2024** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Ashton Thielke <ThielkeA@carmonaresources.com>
Sent: Tuesday, July 23, 2024 7:11 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; CFO_Spill, BLM_NM <BLM_NM_CFO_Spill@blm.gov>; cassie.whitefield@deleklogistics.com
Subject: [EXTERNAL] nAPP2412336586 - Uracas 8 (05.01.2024) - 90-Day Extension Request

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good evening yall,

As discussed with many of you over the phone, Delek is requesting a 90-day extension on the above-mentioned spill remediation.
For the past month, excavation of disposal of approximately ~8,000 cubic yards has taken place in the spill area. Between 80-90% of the excavation has been completed with acceptable composite confirmation floor and sidewall samples.
A few additional deep areas near the point of release needs to be excavated out.
Once all contamination has been removed and confirmed with analytical results, the entire area will be backfilled and necessary areas will be reseeded with the appropriate seed mix for the lesser prairie chicken habitat.

Feel free to give me a call to discuss any questions you may have.

Thanks!

Ashton Thielke
Senior Project Manager
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-8988 C: 281-753-5659
ThielkeA@carmonaresources.com
Environmental Consulting Firm - Carmona Resources

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

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

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 379866
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2412336586**
Incident Name	**NAPP2412336586 URACAS 8 @ 0**
Incident Type	**Oil Release**
Incident Status	**Notification Accepted**

Location of Release Source	
Site Name	**Uracas 8**
Date Release Discovered	**05/01/2024**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	5,000
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/05/2024
Time sampling will commence	08:34 AM
Please provide any information necessary for observers to contact samplers	Carmona Resources – 432-813-8988
Please provide any information necessary for navigation to sampling site	(32.3261°, -103.65081°) Carmona Resources will be onsite from 09.03.2024 – 08.13.2024 to finish excavating and collect composite confirmation samples.”

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

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

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 379866
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/3/2024

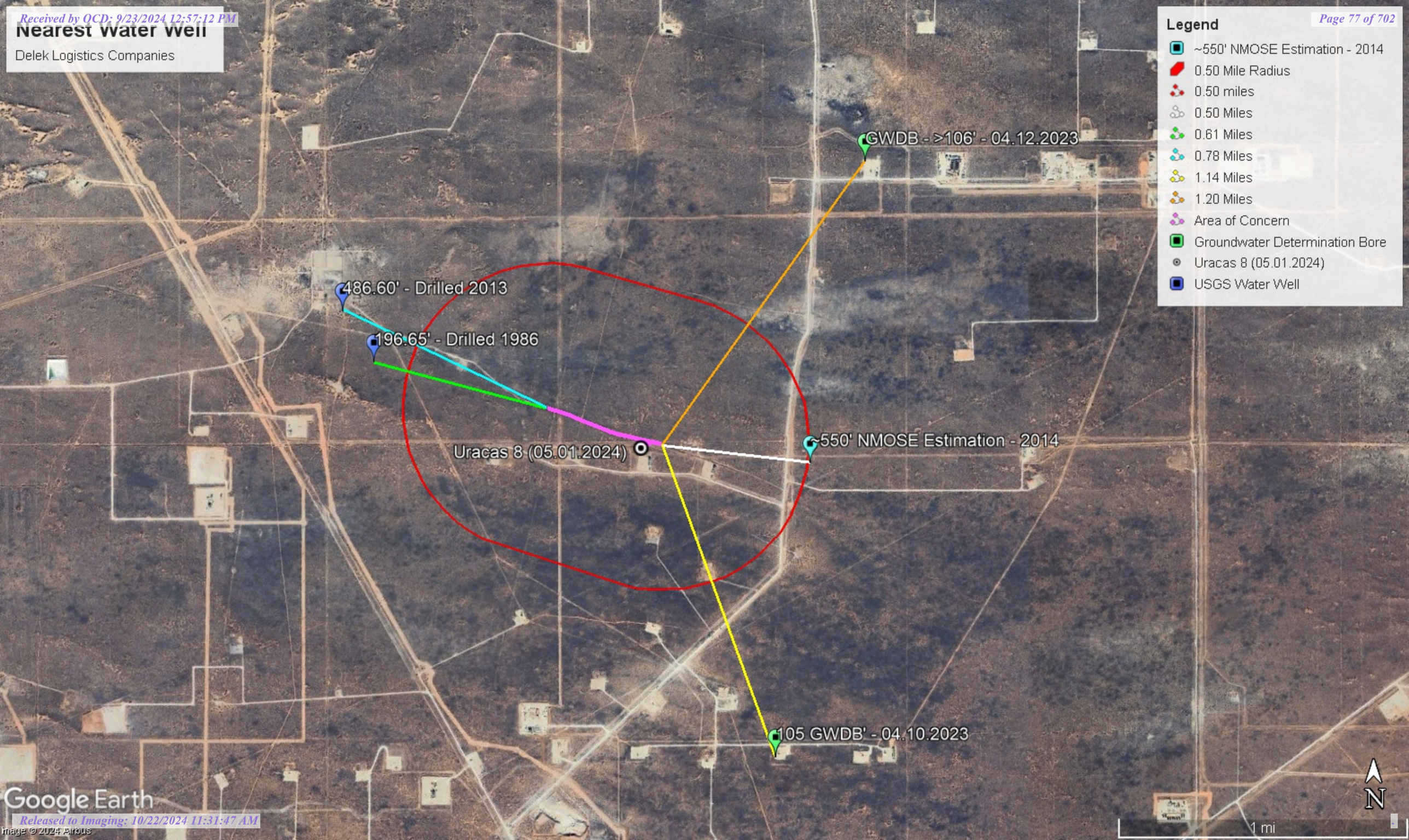
APPENDIX D

CARMONA RESOURCES

Received by OCD: 9/23/2024 12:57:12 PM

Nearest Water Well

Delek Logistics Companies



Legend

- ~550' NMOSE Estimation - 2014
- 0.50 Mile Radius
- 0.50 miles
- 0.50 Miles
- 0.61 Miles
- 0.78 Miles
- 1.14 Miles
- 1.20 Miles
- Area of Concern
- Groundwater Determination Bore
- Uracas 8 (05.01.2024)
- USGS Water Well

Released to Imaging: 10/22/2024 11:31:47 AM

Image © 2024 Airbus

Received by OCD: 9/23/2024 12:57:12 PM

Low Karst

Delek Logistics Companies

Legend

Low

Uracas 8 (05.01.2024)

Uracas 8 (05.01.2024)

Google Earth

Released to Imaging: 10/22/2024 11:31:47 AM

Image © 2024 Airbus

N

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-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02349	CUB	ED		2	3	03	23S	32E	625678	3578004*	1296	525		
C 02216	CUB	LE	2	2	4	21	23S	32E	625035	3573261*	4514	585	400	185
C 04712 POD2	CUB	LE	4	4	4	17	23S	32E	623332	3574331	4653	55		

Average Depth to Water: **400 feet**

Minimum Depth: **400 feet**

Maximum Depth: **400 feet**

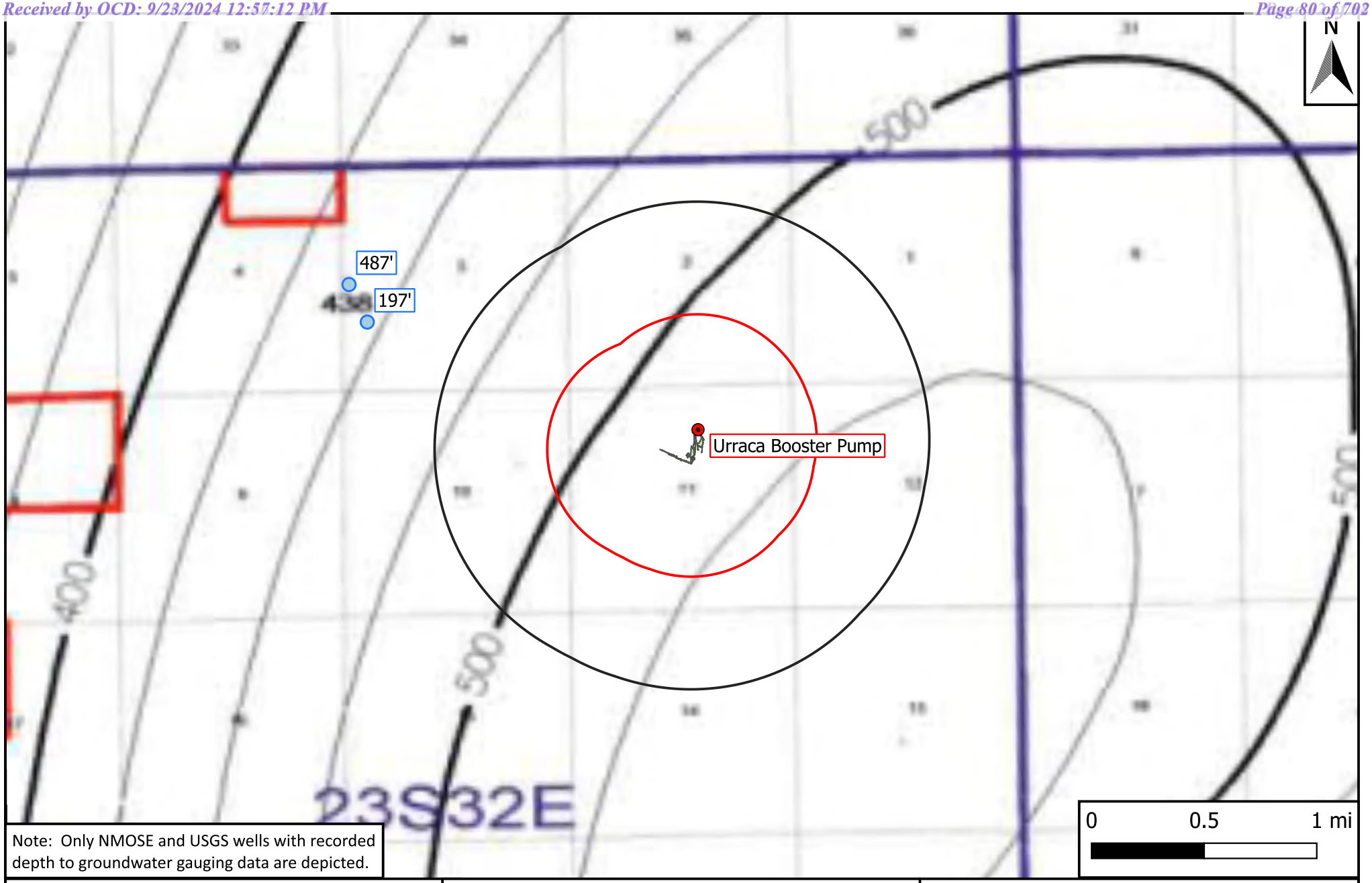
Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 626827.4 **Northing (Y):** 3577404 **Radius:** 5000

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

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



Note: Only NMOSE and USGS wells with recorded depth to groundwater gauging data are depicted.

Legend

- Site Location
- Well - Exploratory
- Well - NMOSE
- Well - USGS
- 0.5-Mi. Radius
- 1-Mi. Radius
- Affected Area

Figure 5
Inferred Depth to Groundwater Map
Solaris Water Midstream, LLC
Urraca Booster Pump
GPS: 32.32348, -103.64382
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 2/6/24

Extracted from the "Application for Permit to Drill or Reenter" for NMOCD Well #30-025-42255, dated February 26, 2014.

Application to Drill
Urraca Federal Com 24H
Cimarex Energy Co.
UL: B, Sec. 11, 23S, 32E
Lea Co., NM

In response to questions asked under Section II B of Bulletin NTL-6, the following information is provided for your consideration:

1. Location: SHL 330' FNL 1750' FEL
BHL 330' FSL 1325' FEL

2. Elevation Above Sea Level: 3,724' GR

3. Geologic Name of Surface Formation: Quaternary Alluvium Deposits

4. Drilling Tools and Associated Equipment: Conventional rotary drilling rig using fluid as a circulating medium for solids removal

5. Proposed Drilling Depth: 14,138 MD 9,700 TVD Pilot Hole TD: N/A

6. Estimated Tops of Geological Markers:

Formation	Est Top	Bearing
Rustler	1180	N/A
Salt	1410	N/A
Castille	3550	N/A
Base Last Salt	4635	N/A
Lamar	4900	N/A
Bell Canyon	4955	N/A
Cherry Canyon	5865	N/A
Brushy Canyon	7150	Hydrocarbons
Bone Spring	8800	Hydrocarbons
Avalon Shale	9330	Hydrocarbons

7. Possible Mineral Bearing Formation: Shown above

7A. OSE Ground Water Estimated Depth: 550'

8. Casing Program:

Name	Casing Depth From (ft)	Casing Setting Depth (ft) MD	Casing Setting Depth (ft)TVD	Open Hole Size (inches)	Casing Size (inches)	Casing Weight (lb/ft)	Casing Grade	Thread	Conditon	BHP (psig)	Anticipated Mud Weight (ppg)	Collapse SF at Full Evacuation(1.125)	Collapse SF at 1/3 Evacuation(1.125)	Burst SF (1.125)	Cumulative Air Weight	Cumulative Bouyed Weight (lbs)	Bouyant Tension SF (1.8)
Surface	0	~~1230~~ 1300'	~~1230~~	17 1/2	13-3/8"	48.00	H-40	ST&C	New	530	8.3	1.39		3.26	59,040	51,559	6.25
Intermediate	0	4920	4920	12 1/4	9-5/8"	40.00	J-55	LT&C	New	2558	10.0		1.53	1.54	196,800	166,754	3.12
Production	0	9223	9223	8 3/4	5-1/2"	17.00	L-80	LT&C	New	4316	9.0	1.46		1.79	164,900	142,242	2.38
Production	9223	14138	9700	8 3/4	5-1/2"	17.00	L-80	BT&C	New	4539	9.0	1.39		1.71	8,109	6,995	56.76

SPR COA

Note: Operator may drill a 8-1/2" OH from end of curve to TD of the well. This is to reduce the need to ream the conventionally drilled curve to run a RSS assembly into the lateral.

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho measu

Groundwater | New Mexico | GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321952103400801

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

USGS 321952103400801 23S.32E.03.311114

Lea County, New Mexico
Latitude 32°19'59.2", Longitude 103°40'12.6" NAD83
Land-surface elevation 3,648.00 feet above NGVD29
The depth of the well is 630 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1976-12-09		D	62610		3227.43	NGVD29	1	Z			A
1976-12-09		D	62611		3229.14	NAVD88	1	Z			A
1976-12-09		D	72019	420.57			1	Z			A
1981-03-26		D	62610		3209.66	NGVD29	P	Z			A
1981-03-26		D	62611		3211.37	NAVD88	P	Z			A
1981-03-26		D	72019	438.34			P	Z			A
1981-05-21		D	62610		3210.33	NGVD29	1	Z			A
1981-05-21		D	62611		3212.04	NAVD88	1	Z			A
1981-05-21		D	72019	437.67			1	Z			A
1986-04-17		D	62610		3209.32	NGVD29	1	Z			A
1986-04-17		D	62611		3211.03	NAVD88	1	Z			A
1986-04-17		D	72019	438.68			1	Z			A
1991-05-30		D	62610		3210.07	NGVD29	1	Z			A
1991-05-30		D	62611		3211.78	NAVD88	1	Z			A
1991-05-30		D	72019	437.93			1	Z			A
1992-11-05		D	62610		3209.88	NGVD29	1	S			A
1992-11-05		D	62611		3211.59	NAVD88	1	S			A
1992-11-05		D	72019	438.12			1	S			A
1996-03-15		D	62610		3210.18	NGVD29	1	S			A
1996-03-15		D	62611		3211.89	NAVD88	1	S			A
1996-03-15		D	72019	437.82			1	S			A
2013-01-17	01:00 UTC	m	62610		3161.40	NGVD29	P	S	USGS	S	A
2013-01-17	01:00 UTC	m	62611		3163.11	NAVD88	P	S	USGS	S	A
2013-01-17	01:00 UTC	m	72019	486.60			P	S	USGS	S	A

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho measu

Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-05-02 09:01:23 EDT
0.43 0.27 nadww01

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho measu

Groundwater | New Mexico | GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321950103400601

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

USGS 321950103400601 23S.32E.03.31110

Lea County, New Mexico
Latitude 32°19'50", Longitude 103°40'06" NAD27
Land-surface elevation 3,668 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1972-09-13		D	62610		3462.10	NGVD29	1	Z			A
1972-09-13		D	62611		3463.82	NAVD88	1	Z			A
1972-09-13		D	72019	204.18			1	Z			A
1977-03-10		D	62610		3452.43	NGVD29	1	Z			A
1977-03-10		D	62611		3454.15	NAVD88	1	Z			A
1977-03-10		D	72019	213.85			1	Z			A
1981-03-26		D	62610		3468.94	NGVD29	1	Z			A
1981-03-26		D	62611		3470.66	NAVD88	1	Z			A
1981-03-26		D	72019	197.34			1	Z			A
1986-04-16		D	62610		3469.63	NGVD29	1	Z			A
1986-04-16		D	62611		3471.35	NAVD88	1	Z			A
1986-04-16		D	72019	196.65			1	Z			A

Explanation

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

Released to Imaging: 10/22/2024 11:31:47 AM

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Metho measu

Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-05-02 09:00:03 EDT
0.43 0.3 nadww02

Project Name :	**Cuevo Federal 20H**	**Date :**	**Monday, April 10, 2023**
Project No. :		**Sampler :**	**Michael Collier**
Location :	**Lea County, New Mexico**		
Coordinates :	**32.310922°, -103.644669°**	**Driller :**	**H&R Enterprises**
Elevation :	**3,730'**	**Method :**	**Air Rotary**

Depth (ft.)	WL	Soil Description	Lithology
0		(0'-5') - Organic topsoil, no gravel or caliche.	
5		(5') - Light brown well graded gravel, caliche, no organics, dry (GM).	
10		(10') - Light brown well graded gravel, caliche, no organics, dry (GM).	
15		(15') - Light brown well graded gravel, caliche, no organics, dry (GM).	
20		(20') - Brown/Light brown well graded gravel, 70% Caliche, 30% Silty Sand, no organics, dry (SW).	
25		(25') - Brown/Light brown well graded gravel, 70% Caliche, 30% Silty Sand, no organics, dry (SW).	
30		(30') - Brown/Light brown well graded gravel, 70% Caliche, 30% Silty Sand, no organics, dry (SW).	
35		(35') - Light brown well graded gravel, 90% Silty Sand, 10% Clay, dry (ML).	
40		(40') - Light brown well graded gravel, 90% Silty Sand, 10% Clay, dry (ML).	
45		(45') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
50			

Depth (ft.)	WL	Soil Description	Lithology
50		(50') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
55		(55') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
60		(60') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
65		(65') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
70		(70') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
75		(75') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
80		(80') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
85		(85') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
90		(90') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
95		(95') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	
105		(100-105') - Well Sorted Silty Sands with Clay, No gravels, 60% Silty Sand, 40% Clay, dry (SC).	

Comments : Boring terminated at 105' with no presence of groundwater or moisture.
Well measured 4/14/2023 with no detection of groundwater

Dry @ 105'

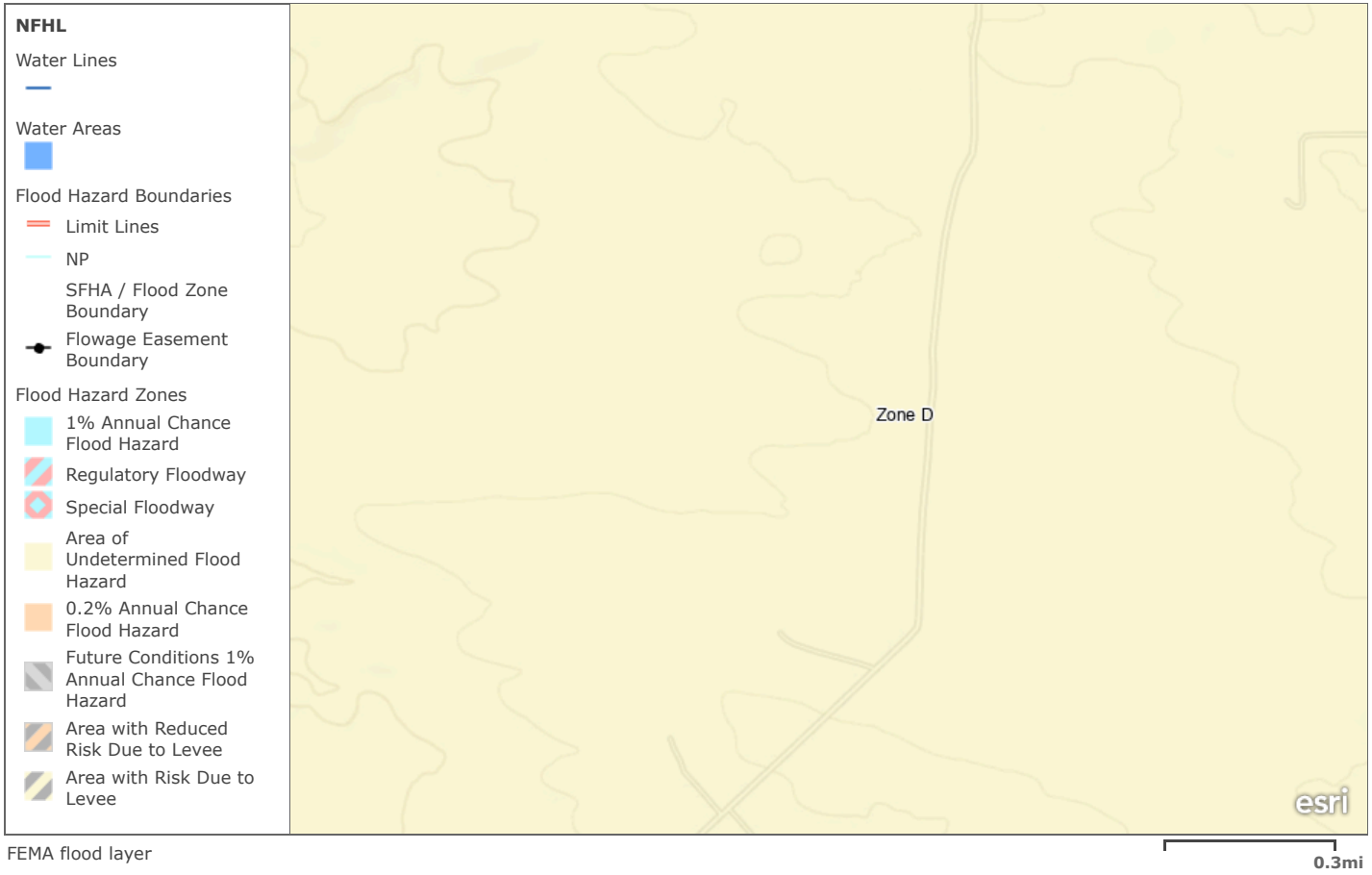
ENSOLUM

	Sample Name: BH01	Date: 4/12/2023
	Site Name: Redtail State Com 001H	
	Incident Number: NAPP2233239048	
	Job Number: 03D2024121	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Peter Van Patten	Method: Hollow Stem
Coordinates: 32.340567,-103.639398	Hole Diameter:	Total Depth: 106'

Comments: Soil boring was advanced to a total depth of 106' bgs. No water was observed within the soil boring after at least 72 hours. On 4/17/2023 the boring was plugged and abandoned using hydrated bentonite chips.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
Dry	-	-	N	-	-	0	SP-SM	Sand (surface sample): dark tan, brown, fine grain, poorly graded, few gravel, no stain, no odor
Dry	-	-	N	-	-	10	CHHE	Caliche: off white, white, no stain, no odor
Dry	-	-	N	-	-	20	CHHE	SAA (Same as above)
Dmp	-	-	N	-	-	30	SP-SM	Sand: light tan, tan, fine-medium grain, poorly graded, some caliche gravel, slightly damp, no stain, no odor
Dry	-	-	N	-	-	40	SP-SM	Sand/Silt (Red Beds): red, pale gray/tan, very fine-fine grain, some clay, low plasticity, cohesive, little gravel, no stain, no odor
Dry	-	-	N	-	-	50	SP-SM	SAA, no gravel
Dry	-	-	N	-	-	60	SP-SM	SAA, color change to yellowish tan, dark tan
Dry	-	-	N	-	-	70	SP-SM	SAA, color change to pinkish red, brownish red
Dry	-	-	N	-	-	80	SP-SM	SAA
Dry	-	-	N	-	-	90	SP-SM	Sand: gray, light gray, some reddish gray, fine grain, poorly graded, few gravel, non cohesive no stain, no odor
Dry	-	-	N	-	-	100	SP-SM	Sand: blueish gray, gray, fine grain, poorly graded, no stain, no odor
						110		TD at 106' below ground surface
						120		

FEMA National Flood Hazard Layer (NFHL)



FEMA flood layer

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

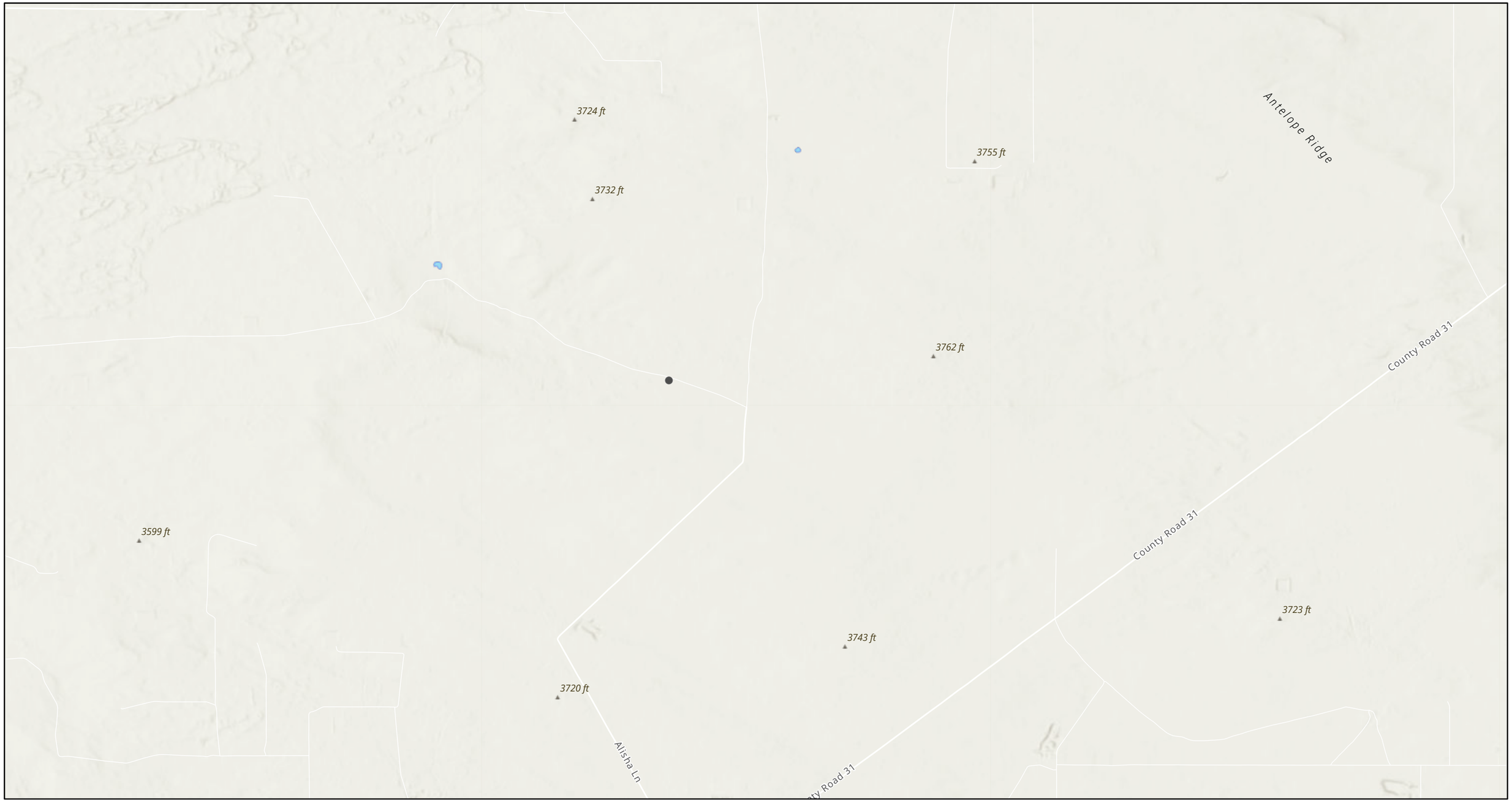
FEMA National Flood Hazard Layer (NFHL)

FEMA flood layer

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

Released to Imaging: 10/22/2024 11:31:47 AM

Uracas 8 (05.01.2024)



5/2/2024, 7:58:28 AM

OSW Water Bodys

1:36,112

0 0.38 0.75 1.5 mi

0 0.5 1 2 km

Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 5/10/2024 12:28:33 PM

JOB DESCRIPTION

Uracas 8 (05.01.2024)
Lea County, NM

JOB NUMBER

880-43219-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 10/22/2024 11:31:47 AM

my EOL

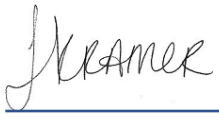
Eurofins Midland

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
5/10/2024 12:28:33 PM

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Client Sample Results 10
Surrogate Summary 65
QC Sample Results 70
QC Association Summary 93
Lab Chronicle 111
Certification Summary 135
Method Summary 136
Sample Summary 137
Chain of Custody 139
Receipt Checklists 147

Definitions/Glossary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Glossary (Continued)

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

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-43219-1

Job ID: 880-43219-1 Eurofins Midland

Job Narrative
880-43219-1

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 5/8/2024 8:51 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-43219-1), T-1 (1.5') (880-43219-2), T-1 (2.0') (880-43219-3), T-1 (3.0') (880-43219-4), T-1 (4.0') (880-43219-5), T-1 (5.0') (880-43219-6), T-2 (0-1') (880-43219-7), T-2 (1.5') (880-43219-8), T-2 (2.0') (880-43219-9), T-2 (3.0') (880-43219-10), T-2 (4.0') (880-43219-11), T-2 (5.0') (880-43219-12), T-2 (6.0') (880-43219-13), T-2 (7.0') (880-43219-14), T-2 (8.0') (880-43219-15), T-3 (0-1') (880-43219-16), T-3 (1.5') (880-43219-17), T-3 (2.0') (880-43219-18), T-3 (3.0') (880-43219-19), T-3 (4.0') (880-43219-20), T-3 (5.0') (880-43219-21), T-4 (0-1') (880-43219-22), T-4 (1.5') (880-43219-23), T-4 (2.0') (880-43219-24), T-4 (3.0') (880-43219-25), T-4 (4.0') (880-43219-26), T-5 (0-1') (880-43219-27), T-5 (1.5') (880-43219-28), T-5 (2.0') (880-43219-29), T-5 (3.0') (880-43219-30), T-5 (4.0') (880-43219-31), T-6 (0-1') (880-43219-32), T-6 (1.5') (880-43219-33), T-6 (2.0') (880-43219-34), T-6 (3.0') (880-43219-35), T-6 (4.0') (880-43219-36), T-6 (5.0') (880-43219-37), T-7 (0-1') (880-43219-38), T-7 (1.5') (880-43219-39), T-7 (2.0') (880-43219-40), T-7 (3.0') (880-43219-41), T-7 (4.0') (880-43219-42), T-8 (0-1') (880-43219-43), T-8 (1.5') (880-43219-44), T-8 (2.0') (880-43219-45), T-8 (3.0') (880-43219-46), T-8 (4.0') (880-43219-47), T-9 (0-1') (880-43219-48), T-9 (1.5') (880-43219-49), T-9 (2.0') (880-43219-50), T-9 (3.0') (880-43219-51), T-9 (4.0') (880-43219-52), T-9 (5.0') (880-43219-53), T-9 (6.0') (880-43219-54), T-9 (7.0') (880-43219-55), T-9 (8.0') (880-43219-56), T-10 (0-1') (880-43219-57), T-10 (1.5') (880-43219-58), T-10 (2.0') (880-43219-59), T-10 (3.0') (880-43219-60), T-10 (4.0') (880-43219-61), T-10 (5.0') (880-43219-62), T-11 (0-1') (880-43219-63), T-11 (2.0') (880-43219-64), T-11 (3.0') (880-43219-65), T-11 (4.0') (880-43219-66), T-11 (5.0') (880-43219-67), T-11 (6.0') (880-43219-68), T-11 (7.0') (880-43219-69), T-11 (8.0') (880-43219-70), T-11 (9.0') (880-43219-71), T-11 (10.0') (880-43219-72) and T-11 (11.0') (880-43219-73).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: T-3 (5.0') (880-43219-21), T-4 (0-1') (880-43219-22), T-4 (1.5') (880-43219-23), T-4 (3.0') (880-43219-25), T-5 (0-1') (880-43219-27), T-5 (3.0') (880-43219-30), T-6 (0-1') (880-43219-32), T-6 (1.5') (880-43219-33), T-6 (2.0') (880-43219-34), T-6 (3.0') (880-43219-35), T-6 (4.0') (880-43219-36), T-6 (5.0') (880-43219-37), T-7 (0-1') (880-43219-38), T-7 (1.5') (880-43219-39) and T-7 (2.0') (880-43219-40). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-43219-1), T-1 (1.5') (880-43219-2), T-1 (2.0') (880-43219-3), T-1 (3.0') (880-43219-4), T-1 (4.0') (880-43219-5), T-1 (5.0') (880-43219-6), T-2 (0-1') (880-43219-7), T-2 (1.5') (880-43219-8), T-2 (2.0') (880-43219-9), T-2 (3.0') (880-43219-10), T-2 (4.0') (880-43219-11), T-2 (5.0') (880-43219-12), T-2 (6.0') (880-43219-13), T-2 (7.0') (880-43219-14), T-3 (0-1') (880-43219-16), T-3 (1.5') (880-43219-17), T-3 (2.0') (880-43219-18), T-3 (3.0') (880-43219-19), T-3 (4.0') (880-43219-20), (880-43219-A-1-A MS) and (880-43219-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-7 (4.0') (880-43219-42), T-8 (0-1') (880-43219-43), T-8 (1.5') (880-43219-44), T-8 (2.0') (880-43219-45), T-8 (3.0') (880-43219-46), T-8 (4.0') (880-43219-47), T-9 (0-1') (880-43219-48), T-9 (1.5') (880-43219-49), T-9 (2.0') (880-43219-50), T-9 (3.0') (880-43219-51), T-9 (5.0') (880-43219-53), T-9 (7.0') (880-43219-55), T-10 (0-1') (880-43219-57), T-10 (1.5') (880-43219-58), T-10 (2.0') (880-43219-59) and T-10 (3.0') (880-43219-60). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: T-2 (8.0') (880-43219-15). Elevated reporting limits (RLs) are provided.

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-43219-1

Job ID: 880-43219-1 (Continued) Eurofins Midland

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80227 and analytical batch 880-80212 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: T-7 (3.0') (880-43219-41). Elevated reporting limits (RLs) are provided.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-43219-A-21-A MS). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-5 (1.5') (880-43219-28), T-6 (1.5') (880-43219-33), T-6 (2.0') (880-43219-34), T-6 (3.0') (880-43219-35), T-6 (4.0') (880-43219-36), T-7 (0-1') (880-43219-38), T-7 (1.5') (880-43219-39), T-11 (0-1') (880-43219-63) and (880-43264-A-1-E). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-10 (3.0') (880-43219-60), T-11 (0-1') (880-43219-63), T-11 (2.0') (880-43219-64), T-11 (3.0') (880-43219-65), T-11 (4.0') (880-43219-66), T-11 (6.0') (880-43219-68), T-11 (7.0') (880-43219-69), T-11 (8.0') (880-43219-70), T-11 (9.0') (880-43219-71) and T-11 (10.0') (880-43219-72). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-80276 and analytical batch 880-80323 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-2 (7.0') (880-43219-14), T-3 (2.0') (880-43219-18), T-3 (3.0') (880-43219-19), T-9 (1.5') (880-43219-49) and T-9 (3.0') (880-43219-51). 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: T-9 (1.5') (880-43219-49). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-80228 and analytical batch 880-80210 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-43219-1), T-1 (4.0') (880-43219-5), T-1 (5.0') (880-43219-6), T-2 (0-1') (880-43219-7), T-2 (1.5') (880-43219-8), T-2 (2.0') (880-43219-9), T-2 (3.0') (880-43219-10), T-2 (4.0') (880-43219-11) and T-11 (11.0') (880-43219-73). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-5 (2.0') (880-43219-29) and T-6 (2.0') (880-43219-34). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-80327 and analytical batch 880-80320 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 8021B: The laboratory control sample (LCS) associated with preparation batch 880-80369 and analytical batch 880-80320 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-1 (5.0') (880-43219-6). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-43219-1

Job ID: 880-43219-1 (Continued) Eurofins Midland

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-43219-1), T-1 (1.5') (880-43219-2), T-1 (2.0') (880-43219-3), T-1 (3.0') (880-43219-4), T-1 (4.0') (880-43219-5), T-2 (0-1') (880-43219-7), T-2 (1.5') (880-43219-8), T-2 (2.0') (880-43219-9), T-2 (3.0') (880-43219-10), T-2 (4.0') (880-43219-11), T-2 (6.0') (880-43219-13), T-2 (7.0') (880-43219-14), T-3 (0-1') (880-43219-16), T-3 (1.5') (880-43219-17) and T-3 (2.0') (880-43219-18). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80229 and analytical batch 880-80218 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-5 (2.0') (880-43219-29). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-4 (0-1') (880-43219-22), T-5 (0-1') (880-43219-27), T-6 (0-1') (880-43219-32), T-6 (1.5') (880-43219-33), T-6 (2.0') (880-43219-34), T-7 (0-1') (880-43219-38) and T-7 (1.5') (880-43219-39). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-80231 and analytical batch 880-80220 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80235 and analytical batch 880-80314 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-10 (4.0') (880-43219-61), T-11 (0-1') (880-43219-63), T-11 (2.0') (880-43219-64), T-11 (3.0') (880-43219-65), T-11 (4.0') (880-43219-66), T-11 (6.0') (880-43219-68) and T-11 (7.0') (880-43219-69). 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: (MB 880-80235/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80233 and analytical batch 880-80312 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-8 (0-1') (880-43219-43), T-8 (1.5') (880-43219-44), T-8 (2.0') (880-43219-45), T-9 (0-1') (880-43219-48), T-9 (1.5') (880-43219-49), T-9 (2.0') (880-43219-50), T-9 (4.0') (880-43219-52) and T-9 (5.0') (880-43219-53). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-10 (0-1') (880-43219-57), T-10 (1.5') (880-43219-58), T-10 (2.0') (880-43219-59) and T-10 (3.0') (880-43219-60). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-11 (8.0') (880-43219-70), T-11 (9.0') (880-43219-71), T-11 (10.0') (880-43219-72) and T-11 (11.0') (880-43219-73). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-43219-1

Job ID: 880-43219-1 (Continued)

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	30.3		0.502		mg/Kg		05/08/24 09:33	05/08/24 11:35	250
Toluene	135		10.0		mg/Kg		05/09/24 08:53	05/09/24 12:03	5000
Ethylbenzene	43.5		0.502		mg/Kg		05/08/24 09:33	05/08/24 11:35	250
m-Xylene & p-Xylene	191		20.0		mg/Kg		05/09/24 08:53	05/09/24 12:03	5000
o-Xylene	65.8		0.502		mg/Kg		05/08/24 09:33	05/08/24 11:35	250
Xylenes, Total	255		20.0		mg/Kg		05/09/24 08:53	05/09/24 12:03	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*244*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 11:35*	*250*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/08/24 09:33*	*05/08/24 11:35*	*250*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	466		20.0		mg/Kg			05/09/24 12:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14400		250		mg/Kg			05/09/24 00:27	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	4030		250		mg/Kg		05/08/24 09:53	05/09/24 00:27	5
Diesel Range Organics (Over C10-C28)	10400		250		mg/Kg		05/08/24 09:53	05/09/24 00:27	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/08/24 09:53	05/09/24 00:27	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*179*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 00:27*	*5*
o-Terphenyl	*234*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 00:27*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.98		4.96		mg/Kg			05/08/24 12:12	1

Client Sample ID: T-1 (1.5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	22.3		1.00		mg/Kg		05/08/24 09:33	05/08/24 11:56	500
Toluene	192		1.00		mg/Kg		05/08/24 09:33	05/08/24 11:56	500
Ethylbenzene	39.4		1.00		mg/Kg		05/08/24 09:33	05/08/24 11:56	500
m-Xylene & p-Xylene	234		2.00		mg/Kg		05/08/24 09:33	05/08/24 11:56	500
o-Xylene	65.5		1.00		mg/Kg		05/08/24 09:33	05/08/24 11:56	500
Xylenes, Total	300		2.00		mg/Kg		05/08/24 09:33	05/08/24 11:56	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*257*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 11:56*	*500*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*05/08/24 09:33*	*05/08/24 11:56*	*500*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-1 (1.5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	553		2.00		mg/Kg			05/08/24 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16600		249		mg/Kg			05/09/24 00:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	5030		249		mg/Kg		05/08/24 09:53	05/09/24 00:47	5
Diesel Range Organics (Over C10-C28)	11600		249		mg/Kg		05/08/24 09:53	05/09/24 00:47	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 09:53	05/09/24 00:47	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*194*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 00:47*	*5*
o-Terphenyl	*271*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 00:47*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.18		4.98		mg/Kg			05/08/24 12:30	1

Client Sample ID: T-1 (2.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.34		0.998		mg/Kg		05/08/24 09:33	05/08/24 12:16	500
Toluene	135		0.998		mg/Kg		05/08/24 09:33	05/08/24 12:16	500
Ethylbenzene	29.1		0.998		mg/Kg		05/08/24 09:33	05/08/24 12:16	500
m-Xylene & p-Xylene	178		2.00		mg/Kg		05/08/24 09:33	05/08/24 12:16	500
o-Xylene	42.3		0.998		mg/Kg		05/08/24 09:33	05/08/24 12:16	500
Xylenes, Total	220		2.00		mg/Kg		05/08/24 09:33	05/08/24 12:16	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*183*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 12:16*	*500*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/08/24 09:33*	*05/08/24 12:16*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	394		2.00		mg/Kg			05/08/24 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15000		249		mg/Kg			05/09/24 01:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	4150		249		mg/Kg		05/08/24 09:53	05/09/24 01:08	5
Diesel Range Organics (Over C10-C28)	10800		249		mg/Kg		05/08/24 09:53	05/09/24 01:08	5

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-1 (2.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 09:53	05/09/24 01:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*191*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 01:08*	*5*
o-Terphenyl	*257*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 01:08*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.11**		5.00		mg/Kg			05/08/24 12:36	1

Client Sample ID: T-1 (3.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.97**		0.994		mg/Kg		05/08/24 09:33	05/08/24 12:37	500
Toluene	**110**		0.994		mg/Kg		05/08/24 09:33	05/08/24 12:37	500
Ethylbenzene	**25.1**		0.994		mg/Kg		05/08/24 09:33	05/08/24 12:37	500
m-Xylene & p-Xylene	**154**		1.99		mg/Kg		05/08/24 09:33	05/08/24 12:37	500
o-Xylene	**36.9**		0.994		mg/Kg		05/08/24 09:33	05/08/24 12:37	500
Xylenes, Total	**191**		1.99		mg/Kg		05/08/24 09:33	05/08/24 12:37	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*187*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 12:37*	*500*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/08/24 09:33*	*05/08/24 12:37*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**333**		1.99		mg/Kg			05/08/24 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**14200**		249		mg/Kg			05/09/24 01:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**3810**		249		mg/Kg		05/08/24 09:53	05/09/24 01:28	5
Diesel Range Organics (Over C10-C28)	**10400**		249		mg/Kg		05/08/24 09:53	05/09/24 01:28	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 09:53	05/09/24 01:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*189*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 01:28*	*5*
o-Terphenyl	*235*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 01:28*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.10**		4.97		mg/Kg			05/08/24 12:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-1 (4.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	113		1.01		mg/Kg		05/08/24 09:33	05/08/24 12:57	500
Toluene	887		9.98		mg/Kg		05/09/24 08:53	05/09/24 12:24	5000
Ethylbenzene	135		1.01		mg/Kg		05/08/24 09:33	05/08/24 12:57	500
m-Xylene & p-Xylene	708		20.0		mg/Kg		05/09/24 08:53	05/09/24 12:24	5000
o-Xylene	214		9.98		mg/Kg		05/09/24 08:53	05/09/24 12:24	5000
Xylenes, Total	922		20.0		mg/Kg		05/09/24 08:53	05/09/24 12:24	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*407*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 12:57*	*500*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/08/24 09:33*	*05/08/24 12:57*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2060		20.0		mg/Kg			05/09/24 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	32700		250		mg/Kg			05/09/24 01:48	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	14400		250		mg/Kg		05/08/24 09:53	05/09/24 01:48	5
Diesel Range Organics (Over C10-C28)	18300		250		mg/Kg		05/08/24 09:53	05/09/24 01:48	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/08/24 09:53	05/09/24 01:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*05/08/24 09:53*	*05/09/24 01:48*	*5*
o-Terphenyl	*405*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 01:48*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/08/24 12:49	1

Client Sample ID: T-1 (5.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8.97		0.199		mg/Kg		05/08/24 09:33	05/08/24 13:18	100
Toluene	196		1.99		mg/Kg		05/09/24 08:53	05/09/24 12:44	1000
Ethylbenzene	33.9		0.199		mg/Kg		05/08/24 09:33	05/08/24 13:18	100
m-Xylene & p-Xylene	242		3.98		mg/Kg		05/09/24 08:53	05/09/24 12:44	1000
o-Xylene	66.0		1.99		mg/Kg		05/09/24 08:53	05/09/24 12:44	1000
Xylenes, Total	308		3.98		mg/Kg		05/09/24 08:53	05/09/24 12:44	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*431*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 13:18*	*100*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/08/24 09:33*	*05/08/24 13:18*	*100*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-1 (5.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	547		3.98		mg/Kg			05/09/24 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4890		49.8		mg/Kg			05/08/24 23:06	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	2010		49.8		mg/Kg		05/08/24 09:53	05/08/24 23:06	1
Diesel Range Organics (Over C10-C28)	2880		49.8		mg/Kg		05/08/24 09:53	05/08/24 23:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 09:53	05/08/24 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*159*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/08/24 23:06*	*1*
o-Terphenyl	*105*		*70 - 130*	*05/08/24 09:53*	*05/08/24 23:06*	*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			05/08/24 13:07	1

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

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	47.1		1.00		mg/Kg		05/08/24 09:33	05/08/24 13:38	500
Toluene	701		10.1		mg/Kg		05/09/24 08:53	05/09/24 13:05	5000
Ethylbenzene	79.8		1.00		mg/Kg		05/08/24 09:33	05/08/24 13:38	500
m-Xylene & p-Xylene	353		2.00		mg/Kg		05/08/24 09:33	05/08/24 13:38	500
o-Xylene	114		1.00		mg/Kg		05/08/24 09:33	05/08/24 13:38	500
Xylenes, Total	467		2.00		mg/Kg		05/08/24 09:33	05/08/24 13:38	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*306*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 13:38*	*500*
1,4-Difluorobenzene (Surr)	*130*		*70 - 130*	*05/08/24 09:33*	*05/08/24 13:38*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1290		2.00		mg/Kg			05/09/24 13:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17300		249		mg/Kg			05/09/24 02:29	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	6550		249		mg/Kg		05/08/24 09:53	05/09/24 02:29	5
Diesel Range Organics (Over C10-C28)	10700		249		mg/Kg		05/08/24 09:53	05/09/24 02:29	5

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 09:53	05/09/24 02:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*182*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 02:29*	*5*
o-Terphenyl	*249*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 02:29*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/08/24 13:13	1

Client Sample ID: T-2 (1.5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**54.2**		1.00		mg/Kg		05/08/24 09:33	05/08/24 13:59	500
Toluene	**551**	*+ *1	10.0		mg/Kg		05/09/24 14:16	05/10/24 09:11	5000
Ethylbenzene	**78.1**		1.00		mg/Kg		05/08/24 09:33	05/08/24 13:59	500
m-Xylene & p-Xylene	**372**		2.01		mg/Kg		05/08/24 09:33	05/08/24 13:59	500
o-Xylene	**112**		1.00		mg/Kg		05/08/24 09:33	05/08/24 13:59	500
Xylenes, Total	**484**		2.01		mg/Kg		05/08/24 09:33	05/08/24 13:59	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*292*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 13:59*	*500*
1,4-Difluorobenzene (Surr)	*129*		*70 - 130*	*05/08/24 09:33*	*05/08/24 13:59*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1170**		2.01		mg/Kg			05/10/24 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**13100**		249		mg/Kg			05/09/24 02:49	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	**5090**		249		mg/Kg		05/08/24 09:53	05/09/24 02:49	5
Diesel Range Organics (Over C10-C28)	**8010**		249		mg/Kg		05/08/24 09:53	05/09/24 02:49	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 09:53	05/09/24 02:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 02:49*	*5*
o-Terphenyl	*185*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 02:49*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			05/08/24 13:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-2 (2.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	30.7		1.01		mg/Kg		05/08/24 09:33	05/08/24 14:19	500
Toluene	457	*+ *1	10.1		mg/Kg		05/09/24 14:16	05/10/24 09:31	5000
Ethylbenzene	62.6		1.01		mg/Kg		05/08/24 09:33	05/08/24 14:19	500
m-Xylene & p-Xylene	333		2.02		mg/Kg		05/08/24 09:33	05/08/24 14:19	500
o-Xylene	99.2		1.01		mg/Kg		05/08/24 09:33	05/08/24 14:19	500
Xylenes, Total	432		2.02		mg/Kg		05/08/24 09:33	05/08/24 14:19	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*300*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 14:19*	*500*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*05/08/24 09:33*	*05/08/24 14:19*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	983		2.02		mg/Kg			05/10/24 09:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16100		248		mg/Kg			05/09/24 03:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	5960		248		mg/Kg		05/08/24 09:53	05/09/24 03:10	5
Diesel Range Organics (Over C10-C28)	10100		248		mg/Kg		05/08/24 09:53	05/09/24 03:10	5
Oil Range Organics (Over C28-C36)	<248	U	248		mg/Kg		05/08/24 09:53	05/09/24 03:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*178*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 03:10*	*5*
o-Terphenyl	*241*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 03:10*	*5*

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			05/08/24 13:26	1

Client Sample ID: T-2 (3.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	37.2		0.998		mg/Kg		05/08/24 09:33	05/08/24 14:40	500
Toluene	806		10.0		mg/Kg		05/09/24 08:53	05/09/24 14:06	5000
Ethylbenzene	64.8		0.998		mg/Kg		05/08/24 09:33	05/08/24 14:40	500
m-Xylene & p-Xylene	864		20.1		mg/Kg		05/09/24 08:53	05/09/24 14:06	5000
o-Xylene	96.1		0.998		mg/Kg		05/08/24 09:33	05/08/24 14:40	500
Xylenes, Total	1100		20.1		mg/Kg		05/09/24 08:53	05/09/24 14:06	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*232*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 14:40*	*500*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/08/24 09:33*	*05/08/24 14:40*	*500*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-43219-10
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1870		20.1		mg/Kg			05/09/24 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18800		250		mg/Kg			05/09/24 03:30	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	7680		250		mg/Kg		05/08/24 09:53	05/09/24 03:30	5
Diesel Range Organics (Over C10-C28)	11100		250		mg/Kg		05/08/24 09:53	05/09/24 03:30	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/08/24 09:53	05/09/24 03:30	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*197*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 03:30*	*5*
o-Terphenyl	*261*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 03:30*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			05/08/24 13:32	1

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-43219-11
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	42.8		0.996		mg/Kg		05/08/24 09:33	05/08/24 16:34	500
Toluene	680		10.1		mg/Kg		05/09/24 08:53	05/09/24 14:27	5000
Ethylbenzene	90.8		0.996		mg/Kg		05/08/24 09:33	05/08/24 16:34	500
m-Xylene & p-Xylene	564		20.2		mg/Kg		05/09/24 08:53	05/09/24 14:27	5000
o-Xylene	138		0.996		mg/Kg		05/08/24 09:33	05/08/24 16:34	500
Xylenes, Total	727		20.2		mg/Kg		05/09/24 08:53	05/09/24 14:27	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*315*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 16:34*	*500*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/08/24 09:33*	*05/08/24 16:34*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1520		20.2		mg/Kg			05/09/24 14:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21700		250		mg/Kg			05/09/24 03:51	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	8910		250		mg/Kg		05/08/24 09:53	05/09/24 03:51	5
Diesel Range Organics (Over C10-C28)	12800		250		mg/Kg		05/08/24 09:53	05/09/24 03:51	5

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-43219-11
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/08/24 09:53	05/09/24 03:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*05/08/24 09:53*	*05/09/24 03:51*	*5*
o-Terphenyl	*292*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 03:51*	*5*

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			05/08/24 13:38	1

Client Sample ID: T-2 (5.0')

Lab Sample ID: 880-43219-12
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5.94**		1.00		mg/Kg		05/08/24 09:33	05/08/24 16:55	500
Toluene	**58.4**		1.00		mg/Kg		05/08/24 09:33	05/08/24 16:55	500
Ethylbenzene	**9.75**		1.00		mg/Kg		05/08/24 09:33	05/08/24 16:55	500
m-Xylene & p-Xylene	**57.7**		2.01		mg/Kg		05/08/24 09:33	05/08/24 16:55	500
o-Xylene	**15.0**		1.00		mg/Kg		05/08/24 09:33	05/08/24 16:55	500
Xylenes, Total	**72.7**		2.01		mg/Kg		05/08/24 09:33	05/08/24 16:55	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*170*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 16:55*	*500*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/08/24 09:33*	*05/08/24 16:55*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**147**		2.01		mg/Kg			05/08/24 16:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**432**		49.8		mg/Kg			05/08/24 23:27	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	**92.2**		49.8		mg/Kg		05/08/24 09:53	05/08/24 23:27	1
Diesel Range Organics (Over C10-C28)	**340**		49.8		mg/Kg		05/08/24 09:53	05/08/24 23:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 09:53	05/08/24 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/08/24 09:53*	*05/08/24 23:27*	*1*
o-Terphenyl	*97*		*70 - 130*	*05/08/24 09:53*	*05/08/24 23:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/08/24 13:56	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-2 (6.0')

Lab Sample ID: 880-43219-13
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	41.3		1.01		mg/Kg		05/08/24 09:33	05/08/24 17:15	500
Toluene	642		10.0		mg/Kg		05/08/24 15:28	05/09/24 12:08	5000
Ethylbenzene	103		1.01		mg/Kg		05/08/24 09:33	05/08/24 17:15	500
m-Xylene & p-Xylene	657		20.1		mg/Kg		05/08/24 15:28	05/09/24 12:08	5000
o-Xylene	157		1.01		mg/Kg		05/08/24 09:33	05/08/24 17:15	500
Xylenes, Total	862		20.1		mg/Kg		05/08/24 15:28	05/09/24 12:08	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*318*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 17:15*	*500*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/08/24 09:33*	*05/08/24 17:15*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1600		20.1		mg/Kg			05/09/24 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	26300		249		mg/Kg			05/09/24 04:11	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	10600		249		mg/Kg		05/08/24 09:53	05/09/24 04:11	5
Diesel Range Organics (Over C10-C28)	15700		249		mg/Kg		05/08/24 09:53	05/09/24 04:11	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 09:53	05/09/24 04:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 04:11*	*5*
o-Terphenyl	*359*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 04:11*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			05/08/24 14:02	1

Client Sample ID: T-2 (7.0')

Lab Sample ID: 880-43219-14
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	190		0.994		mg/Kg		05/08/24 09:33	05/08/24 17:36	500
Toluene	1200		10.1		mg/Kg		05/08/24 15:28	05/09/24 12:28	5000
Ethylbenzene	242		10.1		mg/Kg		05/08/24 15:28	05/09/24 12:28	5000
m-Xylene & p-Xylene	1070		20.2		mg/Kg		05/08/24 15:28	05/09/24 12:28	5000
o-Xylene	331		10.1		mg/Kg		05/08/24 15:28	05/09/24 12:28	5000
Xylenes, Total	1400		20.2		mg/Kg		05/08/24 15:28	05/09/24 12:28	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*646*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 17:36*	*500*
1,4-Difluorobenzene (Surr)	*173*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 17:36*	*500*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-2 (7.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**3030**		20.2		mg/Kg			05/09/24 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**48100**		249		mg/Kg			05/09/24 04:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**21200**		249		mg/Kg		05/08/24 09:53	05/09/24 04:31	5
Diesel Range Organics (Over C10-C28)	**26900**		249		mg/Kg		05/08/24 09:53	05/09/24 04:31	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 09:53	05/09/24 04:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*236*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 04:31*	*5*
o-Terphenyl	*632*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 04:31*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/08/24 14:21	1

Client Sample ID: T-2 (8.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0500	U	0.0500		mg/Kg		05/08/24 09:33	05/08/24 16:14	25
Toluene	**0.168**		0.0500		mg/Kg		05/08/24 09:33	05/08/24 16:14	25
Ethylbenzene	<0.0500	U	0.0500		mg/Kg		05/08/24 09:33	05/08/24 16:14	25
m-Xylene & p-Xylene	**0.143**		0.100		mg/Kg		05/08/24 09:33	05/08/24 16:14	25
o-Xylene	<0.0500	U	0.0500		mg/Kg		05/08/24 09:33	05/08/24 16:14	25
Xylenes, Total	**0.143**		0.100		mg/Kg		05/08/24 09:33	05/08/24 16:14	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/08/24 09:33*	*05/08/24 16:14*	*25*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*05/08/24 09:33*	*05/08/24 16:14*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.311**		0.100		mg/Kg			05/08/24 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**63.6**		50.0		mg/Kg			05/08/24 22:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/08/24 09:53	05/08/24 22:05	1
Diesel Range Organics (Over C10-C28)	**63.6**	**F1**	50.0		mg/Kg		05/08/24 09:53	05/08/24 22:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-2 (8.0')

Lab Sample ID: 880-43219-15
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 09:53	05/08/24 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*05/08/24 09:53*	*05/08/24 22:05*	*1*
o-Terphenyl	*79*		*70 - 130*	*05/08/24 09:53*	*05/08/24 22:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/08/24 14:27	1

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

Lab Sample ID: 880-43219-16
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**41.7**		0.398		mg/Kg		05/08/24 09:33	05/08/24 17:56	200
Toluene	**283**		9.94		mg/Kg		05/08/24 15:28	05/09/24 12:49	5000
Ethylbenzene	**72.7**		9.94		mg/Kg		05/08/24 15:28	05/09/24 12:49	5000
m-Xylene & p-Xylene	**335**		19.9		mg/Kg		05/08/24 15:28	05/09/24 12:49	5000
o-Xylene	**102**		9.94		mg/Kg		05/08/24 15:28	05/09/24 12:49	5000
Xylenes, Total	**437**		19.9		mg/Kg		05/08/24 15:28	05/09/24 12:49	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*569*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 17:56*	*200*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/08/24 09:33*	*05/08/24 17:56*	*200*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**834**		19.9		mg/Kg			05/09/24 12:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**14900**		250		mg/Kg			05/09/24 04:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**5310**		250		mg/Kg		05/08/24 09:53	05/09/24 04:52	5
Diesel Range Organics (Over C10-C28)	**9580**		250		mg/Kg		05/08/24 09:53	05/09/24 04:52	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/08/24 09:53	05/09/24 04:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*163*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 04:52*	*5*
o-Terphenyl	*205*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 04:52*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			05/08/24 14:33	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-43219-17
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.20		0.401		mg/Kg		05/08/24 09:33	05/08/24 18:17	200
Toluene	74.0		0.401		mg/Kg		05/08/24 09:33	05/08/24 18:17	200
Ethylbenzene	25.8		0.401		mg/Kg		05/08/24 09:33	05/08/24 18:17	200
m-Xylene & p-Xylene	106		0.802		mg/Kg		05/08/24 09:33	05/08/24 18:17	200
o-Xylene	43.6		0.401		mg/Kg		05/08/24 09:33	05/08/24 18:17	200
Xylenes, Total	150		0.802		mg/Kg		05/08/24 09:33	05/08/24 18:17	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*308*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 18:17*	*200*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*05/08/24 09:33*	*05/08/24 18:17*	*200*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	257		0.802		mg/Kg			05/08/24 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17500		249		mg/Kg			05/09/24 05:13	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	6960		249		mg/Kg		05/08/24 09:53	05/09/24 05:13	5
Diesel Range Organics (Over C10-C28)	10500		249		mg/Kg		05/08/24 09:53	05/09/24 05:13	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 09:53	05/09/24 05:13	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*170*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 05:13*	*5*
o-Terphenyl	*246*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 05:13*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/08/24 14:39	1

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-43219-18
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	43.1		0.398		mg/Kg		05/08/24 09:33	05/08/24 18:37	200
Toluene	259		2.00		mg/Kg		05/08/24 15:28	05/09/24 13:09	1000
Ethylbenzene	74.3		0.398		mg/Kg		05/08/24 09:33	05/08/24 18:37	200
m-Xylene & p-Xylene	279		4.00		mg/Kg		05/08/24 15:28	05/09/24 13:09	1000
o-Xylene	86.6		2.00		mg/Kg		05/08/24 15:28	05/09/24 13:09	1000
Xylenes, Total	366		4.00		mg/Kg		05/08/24 15:28	05/09/24 13:09	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*487*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 18:37*	*200*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/08/24 09:33*	*05/08/24 18:37*	*200*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-43219-18
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	742		4.00		mg/Kg			05/09/24 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16800		249		mg/Kg			05/09/24 05:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	7150		249		mg/Kg		05/08/24 09:53	05/09/24 05:33	5
Diesel Range Organics (Over C10-C28)	9650		249		mg/Kg		05/08/24 09:53	05/09/24 05:33	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 09:53	05/09/24 05:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*180*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 05:33*	*5*
o-Terphenyl	*223*	*S1+*	*70 - 130*	*05/08/24 09:53*	*05/09/24 05:33*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.86		5.03		mg/Kg			05/08/24 14:46	1

Client Sample ID: T-3 (3.0')

Lab Sample ID: 880-43219-19
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.63		0.0998		mg/Kg		05/08/24 09:33	05/08/24 18:58	50
Toluene	37.2		0.996		mg/Kg		05/08/24 15:28	05/09/24 13:30	500
Ethylbenzene	8.67		0.0998		mg/Kg		05/08/24 09:33	05/08/24 18:58	50
m-Xylene & p-Xylene	68.6		1.99		mg/Kg		05/08/24 15:28	05/09/24 13:30	500
o-Xylene	16.8		0.0998		mg/Kg		05/08/24 09:33	05/08/24 18:58	50
Xylenes, Total	91.0		1.99		mg/Kg		05/08/24 15:28	05/09/24 13:30	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*371*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 18:58*	*50*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/08/24 09:33*	*05/08/24 18:58*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	133		1.99		mg/Kg			05/09/24 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3370		49.8		mg/Kg			05/08/24 23:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	870		49.8		mg/Kg		05/08/24 09:53	05/08/24 23:47	1
Diesel Range Organics (Over C10-C28)	2500		49.8		mg/Kg		05/08/24 09:53	05/08/24 23:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-3 (3.0')

Lab Sample ID: 880-43219-19
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 09:53	05/08/24 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*05/08/24 09:53*	*05/08/24 23:47*	*1*
o-Terphenyl	*85*		*70 - 130*	*05/08/24 09:53*	*05/08/24 23:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.59**		5.05		mg/Kg			05/08/24 14:52	1

Client Sample ID: T-3 (4.0')

Lab Sample ID: 880-43219-20
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.869**		0.0994		mg/Kg		05/08/24 09:33	05/08/24 19:18	50
Toluene	**17.3**		0.0994		mg/Kg		05/08/24 09:33	05/08/24 19:18	50
Ethylbenzene	**6.09**		0.0994		mg/Kg		05/08/24 09:33	05/08/24 19:18	50
m-Xylene & p-Xylene	**30.9**		0.199		mg/Kg		05/08/24 09:33	05/08/24 19:18	50
o-Xylene	**8.06**		0.0994		mg/Kg		05/08/24 09:33	05/08/24 19:18	50
Xylenes, Total	**39.0**		0.199		mg/Kg		05/08/24 09:33	05/08/24 19:18	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*232*	*S1+*	*70 - 130*	*05/08/24 09:33*	*05/08/24 19:18*	*50*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/08/24 09:33*	*05/08/24 19:18*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**63.2**		0.199		mg/Kg			05/08/24 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	**3580**		49.7		mg/Kg			05/09/24 00:07	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	**571**		49.7		mg/Kg		05/08/24 09:53	05/09/24 00:07	1
Diesel Range Organics (Over C10-C28)	**3010**		49.7		mg/Kg		05/08/24 09:53	05/09/24 00:07	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 09:53	05/09/24 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*05/08/24 09:53*	*05/09/24 00:07*	*1*
o-Terphenyl	*76*		*70 - 130*	*05/08/24 09:53*	*05/09/24 00:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.85**		5.05		mg/Kg			05/08/24 14:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-3 (5.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-21

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/08/24 09:34	05/08/24 11:23	1
Toluene	**0.00888**		0.00201		mg/Kg		05/08/24 09:34	05/08/24 11:23	1
Ethylbenzene	**0.0116**		0.00201		mg/Kg		05/08/24 09:34	05/08/24 11:23	1
m-Xylene & p-Xylene	**0.0470**		0.00402		mg/Kg		05/08/24 09:34	05/08/24 11:23	1
o-Xylene	**0.0170**		0.00201		mg/Kg		05/08/24 09:34	05/08/24 11:23	1
Xylenes, Total	**0.0640**		0.00402		mg/Kg		05/08/24 09:34	05/08/24 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 11:23*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/08/24 09:34*	*05/08/24 11:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0845**		0.00402		mg/Kg			05/08/24 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**75.5**		50.0		mg/Kg			05/08/24 22:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/08/24 09:56	05/08/24 22:05	1
Diesel Range Organics (Over C10-C28)	**75.5**	***1 *+**	50.0		mg/Kg		05/08/24 09:56	05/08/24 22:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 09:56	05/08/24 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*05/08/24 09:56*	*05/08/24 22:05*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/08/24 09:56*	*05/08/24 22:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.3**		5.04		mg/Kg			05/08/24 14:45	1

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

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-22

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5.45**		1.00		mg/Kg		05/08/24 09:34	05/08/24 14:09	500
Toluene	**82.5**		1.00		mg/Kg		05/08/24 09:34	05/08/24 14:09	500
Ethylbenzene	**33.0**		1.00		mg/Kg		05/08/24 09:34	05/08/24 14:09	500
m-Xylene & p-Xylene	**110**		2.00		mg/Kg		05/08/24 09:34	05/08/24 14:09	500
o-Xylene	**31.0**		1.00		mg/Kg		05/08/24 09:34	05/08/24 14:09	500
Xylenes, Total	**141**		2.00		mg/Kg		05/08/24 09:34	05/08/24 14:09	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*179*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 14:09*	*500*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/08/24 09:34*	*05/08/24 14:09*	*500*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-22
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	262		2.00		mg/Kg			05/08/24 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16500		249		mg/Kg			05/09/24 03:30	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	4580		249		mg/Kg		05/08/24 09:56	05/09/24 03:30	5
Diesel Range Organics (Over C10-C28)	10700	*1 *+	249		mg/Kg		05/08/24 09:56	05/09/24 03:30	5
Oil Range Organics (Over C28-C36)	1230		249		mg/Kg		05/08/24 09:56	05/09/24 03:30	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*489*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 03:30*	*5*
o-Terphenyl	*316*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 03:30*	*5*

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			05/08/24 15:04	1

Client Sample ID: T-4 (1.5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00201		0.00200		mg/Kg		05/08/24 09:34	05/08/24 11:44	1
Toluene	0.0404		0.00200		mg/Kg		05/08/24 09:34	05/08/24 11:44	1
Ethylbenzene	0.0454		0.00200		mg/Kg		05/08/24 09:34	05/08/24 11:44	1
m-Xylene & p-Xylene	0.173		0.00399		mg/Kg		05/08/24 09:34	05/08/24 11:44	1
o-Xylene	0.0608		0.00200		mg/Kg		05/08/24 09:34	05/08/24 11:44	1
Xylenes, Total	0.234		0.00399		mg/Kg		05/08/24 09:34	05/08/24 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*165*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 11:44*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/08/24 09:34*	*05/08/24 11:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.322		0.00399		mg/Kg			05/08/24 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	192		49.7		mg/Kg			05/08/24 23:06	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		05/08/24 09:56	05/08/24 23:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-43219-23
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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)	**192**	***1 *+**	49.7		mg/Kg		05/08/24 09:56	05/08/24 23:06	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 09:56	05/08/24 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/08/24 09:56*	*05/08/24 23:06*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/08/24 09:56*	*05/08/24 23:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/08/24 15:11	1

Client Sample ID: T-4 (2.0')

Lab Sample ID: 880-43219-24
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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		05/08/24 09:34	05/08/24 12:05	1
Toluene	**0.00393**		0.00199		mg/Kg		05/08/24 09:34	05/08/24 12:05	1
Ethylbenzene	**0.00397**		0.00199		mg/Kg		05/08/24 09:34	05/08/24 12:05	1
m-Xylene & p-Xylene	**0.0147**		0.00398		mg/Kg		05/08/24 09:34	05/08/24 12:05	1
o-Xylene	**0.00508**		0.00199		mg/Kg		05/08/24 09:34	05/08/24 12:05	1
Xylenes, Total	**0.0198**		0.00398		mg/Kg		05/08/24 09:34	05/08/24 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/08/24 09:34*	*05/08/24 12:05*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/08/24 09:34*	*05/08/24 12:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0277**		0.00398		mg/Kg			05/08/24 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**114**		49.8		mg/Kg			05/08/24 23:27	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		05/08/24 09:56	05/08/24 23:27	1
Diesel Range Organics (Over C10-C28)	**114**	***1 *+**	49.8		mg/Kg		05/08/24 09:56	05/08/24 23:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 09:56	05/08/24 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*05/08/24 09:56*	*05/08/24 23:27*	*1*
o-Terphenyl	*109*		*70 - 130*	*05/08/24 09:56*	*05/08/24 23:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.62**		4.97		mg/Kg			05/08/24 15:17	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-4 (3.0')

Lab Sample ID: 880-43219-25
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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		05/08/24 09:34	05/08/24 12:25	1
Toluene	**0.0221**		0.00202		mg/Kg		05/08/24 09:34	05/08/24 12:25	1
Ethylbenzene	**0.0272**		0.00202		mg/Kg		05/08/24 09:34	05/08/24 12:25	1
m-Xylene & p-Xylene	**0.0984**		0.00404		mg/Kg		05/08/24 09:34	05/08/24 12:25	1
o-Xylene	**0.0335**		0.00202		mg/Kg		05/08/24 09:34	05/08/24 12:25	1
Xylenes, Total	**0.132**		0.00404		mg/Kg		05/08/24 09:34	05/08/24 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 12:25*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/08/24 09:34*	*05/08/24 12:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.181**		0.00404		mg/Kg			05/08/24 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**155**		49.9		mg/Kg			05/08/24 23:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/08/24 09:56	05/08/24 23:47	1
Diesel Range Organics (Over C10-C28)	**155**	***1 *+**	49.9		mg/Kg		05/08/24 09:56	05/08/24 23:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 09:56	05/08/24 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*05/08/24 09:56*	*05/08/24 23:47*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/08/24 09:56*	*05/08/24 23:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/08/24 15:23	1

Client Sample ID: T-4 (4.0')

Lab Sample ID: 880-43219-26
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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		05/08/24 09:34	05/08/24 12:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/24 09:34	05/08/24 12:46	1
Ethylbenzene	**0.00215**		0.00199		mg/Kg		05/08/24 09:34	05/08/24 12:46	1
m-Xylene & p-Xylene	**0.00754**		0.00398		mg/Kg		05/08/24 09:34	05/08/24 12:46	1
o-Xylene	**0.00243**		0.00199		mg/Kg		05/08/24 09:34	05/08/24 12:46	1
Xylenes, Total	**0.00997**		0.00398		mg/Kg		05/08/24 09:34	05/08/24 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/08/24 09:34*	*05/08/24 12:46*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/08/24 09:34*	*05/08/24 12:46*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-4 (4.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-26
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0121**		0.00398		mg/Kg			05/08/24 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**68.9**		49.9		mg/Kg			05/09/24 00:07	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		05/08/24 09:56	05/09/24 00:07	1
Diesel Range Organics (Over C10-C28)	**68.9**	***1 *+**	49.9		mg/Kg		05/08/24 09:56	05/09/24 00:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 09:56	05/09/24 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/08/24 09:56*	*05/09/24 00:07*	*1*
o-Terphenyl	*104*		*70 - 130*	*05/08/24 09:56*	*05/09/24 00:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			05/08/24 15:42	1

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

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.29**		1.00		mg/Kg		05/08/24 09:34	05/08/24 14:30	500
Toluene	**35.6**		1.00		mg/Kg		05/08/24 09:34	05/08/24 14:30	500
Ethylbenzene	**15.0**		1.00		mg/Kg		05/08/24 09:34	05/08/24 14:30	500
m-Xylene & p-Xylene	**50.4**		2.00		mg/Kg		05/08/24 09:34	05/08/24 14:30	500
o-Xylene	**14.7**		1.00		mg/Kg		05/08/24 09:34	05/08/24 14:30	500
Xylenes, Total	**65.1**		2.00		mg/Kg		05/08/24 09:34	05/08/24 14:30	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 14:30*	*500*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/08/24 09:34*	*05/08/24 14:30*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**119**		2.00		mg/Kg			05/08/24 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**14400**		250		mg/Kg			05/09/24 03:51	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	**2400**		250		mg/Kg		05/08/24 09:56	05/09/24 03:51	5
Diesel Range Organics (Over C10-C28)	**10700**	***1 *+**	250		mg/Kg		05/08/24 09:56	05/09/24 03:51	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	1290		250		mg/Kg		05/08/24 09:56	05/09/24 03:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*285*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 03:51*	*5*
o-Terphenyl	*285*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 03:51*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/08/24 15:49	1

Client Sample ID: T-5 (1.5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-28
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.38		1.00		mg/Kg		05/09/24 08:57	05/09/24 12:52	500
Toluene	25.0		1.00		mg/Kg		05/09/24 08:57	05/09/24 12:52	500
Ethylbenzene	9.70		1.00		mg/Kg		05/09/24 08:57	05/09/24 12:52	500
m-Xylene & p-Xylene	33.4		2.00		mg/Kg		05/09/24 08:57	05/09/24 12:52	500
o-Xylene	10.5		1.00		mg/Kg		05/09/24 08:57	05/09/24 12:52	500
Xylenes, Total	43.9		2.00		mg/Kg		05/09/24 08:57	05/09/24 12:52	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*05/09/24 08:57*	*05/09/24 12:52*	*500*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 08:57*	*05/09/24 12:52*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	81.0		2.00		mg/Kg			05/09/24 12:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2560		50.0		mg/Kg			05/09/24 00:27	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	1090		50.0		mg/Kg		05/08/24 09:56	05/09/24 00:27	1
Diesel Range Organics (Over C10-C28)	1320	*1 *+	50.0		mg/Kg		05/08/24 09:56	05/09/24 00:27	1
Oil Range Organics (Over C28-C36)	150		50.0		mg/Kg		05/08/24 09:56	05/09/24 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*05/08/24 09:56*	*05/09/24 00:27*	*1*
o-Terphenyl	*100*		*70 - 130*	*05/08/24 09:56*	*05/09/24 00:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/08/24 15:55	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-5 (2.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-29
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00388		0.00202		mg/Kg		05/08/24 09:34	05/08/24 13:28	1
Toluene	0.0261		0.00202		mg/Kg		05/08/24 09:34	05/08/24 13:28	1
Ethylbenzene	0.00897		0.00202		mg/Kg		05/08/24 09:34	05/08/24 13:28	1
m-Xylene & p-Xylene	0.0359		0.00403		mg/Kg		05/08/24 09:34	05/08/24 13:28	1
o-Xylene	0.0115		0.00202		mg/Kg		05/08/24 09:34	05/08/24 13:28	1
Xylenes, Total	0.0474		0.00403		mg/Kg		05/08/24 09:34	05/08/24 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*05/08/24 09:34*	*05/08/24 13:28*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/08/24 09:34*	*05/08/24 13:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0864		0.00403		mg/Kg			05/08/24 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	91.0		49.8		mg/Kg			05/09/24 00:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 09:56	05/09/24 00:47	1
Diesel Range Organics (Over C10-C28)	91.0	*1 *+	49.8		mg/Kg		05/08/24 09:56	05/09/24 00:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 09:56	05/09/24 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 00:47*	*1*
o-Terphenyl	*150*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 00:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			05/08/24 16:33	1

Client Sample ID: T-5 (3.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-30
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00246		0.00200		mg/Kg		05/08/24 09:34	05/08/24 13:48	1
Toluene	0.0593		0.00200		mg/Kg		05/08/24 09:34	05/08/24 13:48	1
Ethylbenzene	0.0572		0.00200		mg/Kg		05/08/24 09:34	05/08/24 13:48	1
m-Xylene & p-Xylene	0.225		0.00399		mg/Kg		05/08/24 09:34	05/08/24 13:48	1
o-Xylene	0.0813		0.00200		mg/Kg		05/08/24 09:34	05/08/24 13:48	1
Xylenes, Total	0.306		0.00399		mg/Kg		05/08/24 09:34	05/08/24 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*182*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 13:48*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/08/24 09:34*	*05/08/24 13:48*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-5 (3.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-30
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.425**		0.00399		mg/Kg			05/08/24 13:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**216**		49.8		mg/Kg			05/09/24 01:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 09:56	05/09/24 01:08	1
Diesel Range Organics (Over C10-C28)	**216**	***1 *+**	49.8		mg/Kg		05/08/24 09:56	05/09/24 01:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 09:56	05/09/24 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/08/24 09:56*	*05/09/24 01:08*	*1*
o-Terphenyl	*88*		*70 - 130*	*05/08/24 09:56*	*05/09/24 01:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/08/24 16:40	1

Client Sample ID: T-5 (4.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-31
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		05/08/24 09:34	05/08/24 15:54	1
Toluene	**0.00234**		0.00199		mg/Kg		05/08/24 09:34	05/08/24 15:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/24 09:34	05/08/24 15:54	1
m-Xylene & p-Xylene	**0.00635**		0.00398		mg/Kg		05/08/24 09:34	05/08/24 15:54	1
o-Xylene	**0.00211**		0.00199		mg/Kg		05/08/24 09:34	05/08/24 15:54	1
Xylenes, Total	**0.00846**		0.00398		mg/Kg		05/08/24 09:34	05/08/24 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/08/24 09:34*	*05/08/24 15:54*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/08/24 09:34*	*05/08/24 15:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0108**		0.00398		mg/Kg			05/08/24 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**172**		50.0		mg/Kg			05/09/24 01:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/08/24 09:56	05/09/24 01:28	1
Diesel Range Organics (Over C10-C28)	**172**	***1 *+**	50.0		mg/Kg		05/08/24 09:56	05/09/24 01:28	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-5 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-31
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 09:56	05/09/24 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*05/08/24 09:56*	*05/09/24 01:28*	*1*
o-Terphenyl	*121*		*70 - 130*	*05/08/24 09:56*	*05/09/24 01:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/08/24 16:46	1

Client Sample ID: T-6 (0-1')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-32
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.91**		0.201		mg/Kg		05/08/24 09:34	05/08/24 17:38	100
Toluene	**18.7**		0.201		mg/Kg		05/08/24 09:34	05/08/24 17:38	100
Ethylbenzene	**6.73**		0.201		mg/Kg		05/08/24 09:34	05/08/24 17:38	100
m-Xylene & p-Xylene	**26.4**		0.402		mg/Kg		05/08/24 09:34	05/08/24 17:38	100
o-Xylene	**8.13**		0.201		mg/Kg		05/08/24 09:34	05/08/24 17:38	100
Xylenes, Total	**34.5**		0.402		mg/Kg		05/08/24 09:34	05/08/24 17:38	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*214*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 17:38*	*100*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/08/24 09:34*	*05/08/24 17:38*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**61.9**		0.402		mg/Kg			05/08/24 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**30300**		499		mg/Kg			05/09/24 04:11	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	**2050**		499		mg/Kg		05/08/24 09:56	05/09/24 04:11	10
Diesel Range Organics (Over C10-C28)	**25400**	***1 *+**	499		mg/Kg		05/08/24 09:56	05/09/24 04:11	10
Oil Range Organics (Over C28-C36)	**2810**		499		mg/Kg		05/08/24 09:56	05/09/24 04:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*724*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 04:11*	*10*
o-Terphenyl	*702*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 04:11*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.27**		5.03		mg/Kg			05/08/24 17:05	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-6 (1.5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-33
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	31.5		1.01		mg/Kg		05/08/24 09:34	05/08/24 17:59	500
Toluene	303		2.02		mg/Kg		05/09/24 08:57	05/09/24 13:13	1000
Ethylbenzene	82.0		1.01		mg/Kg		05/08/24 09:34	05/08/24 17:59	500
m-Xylene & p-Xylene	282		2.02		mg/Kg		05/08/24 09:34	05/08/24 17:59	500
o-Xylene	87.1		1.01		mg/Kg		05/08/24 09:34	05/08/24 17:59	500
Xylenes, Total	369		2.02		mg/Kg		05/08/24 09:34	05/08/24 17:59	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*258*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 17:59*	*500*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/08/24 09:34*	*05/08/24 17:59*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	786		2.02		mg/Kg			05/09/24 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	32400		249		mg/Kg			05/09/24 04:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	11000		249		mg/Kg		05/08/24 09:56	05/09/24 04:31	5
Diesel Range Organics (Over C10-C28)	19200	*1 *+	249		mg/Kg		05/08/24 09:56	05/09/24 04:31	5
Oil Range Organics (Over C28-C36)	2240		249		mg/Kg		05/08/24 09:56	05/09/24 04:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*1069*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 04:31*	*5*
o-Terphenyl	*591*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 04:31*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/08/24 17:11	1

Client Sample ID: T-6 (2.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-34
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	27.9		0.398		mg/Kg		05/08/24 09:34	05/08/24 18:19	200
Toluene	595		10.0		mg/Kg		05/09/24 08:53	05/09/24 16:42	5000
Ethylbenzene	167		1.99		mg/Kg		05/09/24 08:57	05/09/24 13:34	1000
m-Xylene & p-Xylene	567		3.98		mg/Kg		05/09/24 08:57	05/09/24 13:34	1000
o-Xylene	177		1.99		mg/Kg		05/09/24 08:57	05/09/24 13:34	1000
Xylenes, Total	744		3.98		mg/Kg		05/09/24 08:57	05/09/24 13:34	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*461*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 18:19*	*200*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*05/08/24 09:34*	*05/08/24 18:19*	*200*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-6 (2.0')

Lab Sample ID: 880-43219-34
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1530		3.98		mg/Kg			05/09/24 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	25300		248		mg/Kg			05/09/24 04:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	8250		248		mg/Kg		05/08/24 09:56	05/09/24 04:52	5
Diesel Range Organics (Over C10-C28)	15200	*1 *+	248		mg/Kg		05/08/24 09:56	05/09/24 04:52	5
Oil Range Organics (Over C28-C36)	1850		248		mg/Kg		05/08/24 09:56	05/09/24 04:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*892*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 04:52*	*5*
o-Terphenyl	*465*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 04:52*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/08/24 17:30	1

Client Sample ID: T-6 (3.0')

Lab Sample ID: 880-43219-35
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.226		0.00200		mg/Kg		05/08/24 09:34	05/08/24 16:15	1
Toluene	10.8		9.98		mg/Kg		05/09/24 08:57	05/09/24 17:03	5000
Ethylbenzene	<9.98	U	9.98		mg/Kg		05/09/24 08:57	05/09/24 17:03	5000
m-Xylene & p-Xylene	31.3		20.0		mg/Kg		05/09/24 08:57	05/09/24 17:03	5000
o-Xylene	<9.98	U	9.98		mg/Kg		05/09/24 08:57	05/09/24 17:03	5000
Xylenes, Total	31.3		20.0		mg/Kg		05/09/24 08:57	05/09/24 17:03	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*324*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 16:15*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/08/24 09:34*	*05/08/24 16:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	42.3		20.0		mg/Kg			05/09/24 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1460		50.0		mg/Kg			05/09/24 01:48	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	236		50.0		mg/Kg		05/08/24 09:56	05/09/24 01:48	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-6 (3.0')

Lab Sample ID: 880-43219-35
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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)	1100	*1 *+	50.0		mg/Kg		05/08/24 09:56	05/09/24 01:48	1
Oil Range Organics (Over C28-C36)	123		50.0		mg/Kg		05/08/24 09:56	05/09/24 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*05/08/24 09:56*	*05/09/24 01:48*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/08/24 09:56*	*05/09/24 01:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			05/08/24 17:37	1

Client Sample ID: T-6 (4.0')

Lab Sample ID: 880-43219-36
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0323		0.00199		mg/Kg		05/08/24 09:34	05/08/24 16:36	1
Toluene	0.593		0.199		mg/Kg		05/09/24 08:57	05/09/24 12:11	100
Ethylbenzene	0.180		0.00199		mg/Kg		05/08/24 09:34	05/08/24 16:36	1
m-Xylene & p-Xylene	0.650		0.00398		mg/Kg		05/08/24 09:34	05/08/24 16:36	1
o-Xylene	0.226		0.00199		mg/Kg		05/08/24 09:34	05/08/24 16:36	1
Xylenes, Total	0.876		0.00398		mg/Kg		05/08/24 09:34	05/08/24 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*248*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 16:36*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/08/24 09:34*	*05/08/24 16:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.68		0.00398		mg/Kg			05/09/24 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	488		49.9		mg/Kg			05/09/24 02:29	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	54.6		49.9		mg/Kg		05/08/24 09:56	05/09/24 02:29	1
Diesel Range Organics (Over C10-C28)	433	*1 *+	49.9		mg/Kg		05/08/24 09:56	05/09/24 02:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 09:56	05/09/24 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/08/24 09:56*	*05/09/24 02:29*	*1*
o-Terphenyl	*122*		*70 - 130*	*05/08/24 09:56*	*05/09/24 02:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			05/08/24 17:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-6 (5.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-37

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00535		0.00200		mg/Kg		05/08/24 09:34	05/08/24 16:57	1
Toluene	0.0704		0.00200		mg/Kg		05/08/24 09:34	05/08/24 16:57	1
Ethylbenzene	0.0477		0.00200		mg/Kg		05/08/24 09:34	05/08/24 16:57	1
m-Xylene & p-Xylene	0.165		0.00401		mg/Kg		05/08/24 09:34	05/08/24 16:57	1
o-Xylene	0.0529		0.00200		mg/Kg		05/08/24 09:34	05/08/24 16:57	1
Xylenes, Total	0.218		0.00401		mg/Kg		05/08/24 09:34	05/08/24 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*174*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 16:57*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/08/24 09:34*	*05/08/24 16:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.341		0.00401		mg/Kg			05/08/24 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	88.8		49.8		mg/Kg			05/09/24 02:49	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		05/08/24 09:56	05/09/24 02:49	1
Diesel Range Organics (Over C10-C28)	88.8	*1 *+	49.8		mg/Kg		05/08/24 09:56	05/09/24 02:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 09:56	05/09/24 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*05/08/24 09:56*	*05/09/24 02:49*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/08/24 09:56*	*05/09/24 02:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/08/24 17:49	1

Client Sample ID: T-7 (0-1')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-38

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	59.5		10.0		mg/Kg		05/09/24 08:57	05/09/24 14:35	5000
Toluene	373		10.0		mg/Kg		05/09/24 08:57	05/09/24 14:35	5000
Ethylbenzene	120		10.0		mg/Kg		05/09/24 08:57	05/09/24 14:35	5000
m-Xylene & p-Xylene	388		20.0		mg/Kg		05/09/24 08:57	05/09/24 14:35	5000
o-Xylene	103		10.0		mg/Kg		05/09/24 08:57	05/09/24 14:35	5000
Xylenes, Total	491		20.0		mg/Kg		05/09/24 08:57	05/09/24 14:35	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*648*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 18:40*	*50*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*05/08/24 09:34*	*05/08/24 18:40*	*50*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-7 (0-1')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-38

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1040		20.0		mg/Kg			05/09/24 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14100		248		mg/Kg			05/09/24 05:13	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	5530		248		mg/Kg		05/08/24 09:56	05/09/24 05:13	5
Diesel Range Organics (Over C10-C28)	7650	*1 *+	248		mg/Kg		05/08/24 09:56	05/09/24 05:13	5
Oil Range Organics (Over C28-C36)	968		248		mg/Kg		05/08/24 09:56	05/09/24 05:13	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*417*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 05:13*	*5*
o-Terphenyl	*232*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 05:13*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/08/24 17:55	1

Client Sample ID: T-7 (1.5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-39

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	124		0.998		mg/Kg		05/08/24 09:34	05/08/24 19:01	500
Toluene	1220		10.0		mg/Kg		05/09/24 08:57	05/09/24 14:56	5000
Ethylbenzene	133		0.998		mg/Kg		05/08/24 09:34	05/08/24 19:01	500
m-Xylene & p-Xylene	1070		20.1		mg/Kg		05/09/24 08:57	05/09/24 14:56	5000
o-Xylene	132		0.998		mg/Kg		05/08/24 09:34	05/08/24 19:01	500
Xylenes, Total	1370		20.1		mg/Kg		05/09/24 08:57	05/09/24 14:56	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*315*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 19:01*	*500*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/08/24 09:34*	*05/08/24 19:01*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2680		20.1		mg/Kg			05/09/24 14:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23100		249		mg/Kg			05/09/24 05:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	11100		249		mg/Kg		05/08/24 09:56	05/09/24 05:33	5

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-7 (1.5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-39
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)	10700	*1 *+	249		mg/Kg		05/08/24 09:56	05/09/24 05:33	5
Oil Range Organics (Over C28-C36)	1290		249		mg/Kg		05/08/24 09:56	05/09/24 05:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*673*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 05:33*	*5*
o-Terphenyl	*327*	*S1+*	*70 - 130*	*05/08/24 09:56*	*05/09/24 05:33*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.78		5.03		mg/Kg			05/08/24 18:02	1

Client Sample ID: T-7 (2.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-40
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00779		0.00199		mg/Kg		05/08/24 09:34	05/08/24 17:17	1
Toluene	0.114		0.00199		mg/Kg		05/08/24 09:34	05/08/24 17:17	1
Ethylbenzene	0.0873		0.00199		mg/Kg		05/08/24 09:34	05/08/24 17:17	1
m-Xylene & p-Xylene	0.343		0.00398		mg/Kg		05/08/24 09:34	05/08/24 17:17	1
o-Xylene	0.121		0.00199		mg/Kg		05/08/24 09:34	05/08/24 17:17	1
Xylenes, Total	0.464		0.00398		mg/Kg		05/08/24 09:34	05/08/24 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*233*	*S1+*	*70 - 130*	*05/08/24 09:34*	*05/08/24 17:17*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/08/24 09:34*	*05/08/24 17:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.673		0.00398		mg/Kg			05/08/24 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	214		49.8		mg/Kg			05/09/24 03:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 09:56	05/09/24 03:10	1
Diesel Range Organics (Over C10-C28)	214	*1 *+	49.8		mg/Kg		05/08/24 09:56	05/09/24 03:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 09:56	05/09/24 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/08/24 09:56*	*05/09/24 03:10*	*1*
o-Terphenyl	*88*		*70 - 130*	*05/08/24 09:56*	*05/09/24 03:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			05/08/24 18:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-7 (3.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-41

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0502	U F1	0.0502		mg/Kg		05/08/24 09:36	05/08/24 11:28	25
Toluene	**0.228**	**F1**	0.0502		mg/Kg		05/08/24 09:36	05/08/24 11:28	25
Ethylbenzene	**0.186**	**F1**	0.0502		mg/Kg		05/08/24 09:36	05/08/24 11:28	25
m-Xylene & p-Xylene	**1.07**		0.100		mg/Kg		05/08/24 09:36	05/08/24 11:28	25
o-Xylene	**0.383**	**F1**	0.0502		mg/Kg		05/08/24 09:36	05/08/24 11:28	25
Xylenes, Total	**1.45**		0.100		mg/Kg		05/08/24 09:36	05/08/24 11:28	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/08/24 09:36*	*05/08/24 11:28*	*25*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/08/24 09:36*	*05/08/24 11:28*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.87**		0.100		mg/Kg			05/08/24 11:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**442**		50.0		mg/Kg			05/09/24 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/08/24 10:00	05/09/24 10:00	1
Diesel Range Organics (Over C10-C28)	**442**	**F1**	50.0		mg/Kg		05/08/24 10:00	05/09/24 10:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 10:00	05/09/24 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/08/24 10:00*	*05/09/24 10:00*	*1*
o-Terphenyl	*109*		*70 - 130*	*05/08/24 10:00*	*05/09/24 10:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.43**		4.99		mg/Kg			05/08/24 18:59	1

Client Sample ID: T-7 (4.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-42

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0246**		0.00200		mg/Kg		05/08/24 09:36	05/08/24 11:48	1
Toluene	**0.227**		0.00200		mg/Kg		05/08/24 09:36	05/08/24 11:48	1
Ethylbenzene	**0.0799**		0.00200		mg/Kg		05/08/24 09:36	05/08/24 11:48	1
m-Xylene & p-Xylene	**0.411**		0.00401		mg/Kg		05/08/24 09:36	05/08/24 11:48	1
o-Xylene	**0.137**		0.00200		mg/Kg		05/08/24 09:36	05/08/24 11:48	1
Xylenes, Total	**0.548**		0.00401		mg/Kg		05/08/24 09:36	05/08/24 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*187*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 11:48*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/08/24 09:36*	*05/08/24 11:48*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-7 (4.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-42
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.880**		0.00401		mg/Kg			05/08/24 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1290**		49.8		mg/Kg			05/09/24 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**314**		49.8		mg/Kg		05/08/24 10:00	05/09/24 11:01	1
Diesel Range Organics (Over C10-C28)	**979**		49.8		mg/Kg		05/08/24 10:00	05/09/24 11:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 10:00	05/09/24 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/08/24 10:00*	*05/09/24 11:01*	*1*
o-Terphenyl	*91*		*70 - 130*	*05/08/24 10:00*	*05/09/24 11:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			05/08/24 19:17	1

Client Sample ID: T-8 (0-1')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-43
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.11**		0.998		mg/Kg		05/08/24 09:36	05/08/24 12:49	500
Toluene	**8.48**		0.998		mg/Kg		05/08/24 09:36	05/08/24 12:49	500
Ethylbenzene	**8.97**		0.998		mg/Kg		05/08/24 09:36	05/08/24 12:49	500
m-Xylene & p-Xylene	**38.3**		2.00		mg/Kg		05/08/24 09:36	05/08/24 12:49	500
o-Xylene	**15.1**		0.998		mg/Kg		05/08/24 09:36	05/08/24 12:49	500
Xylenes, Total	**53.4**		2.00		mg/Kg		05/08/24 09:36	05/08/24 12:49	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*190*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 12:49*	*500*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/08/24 09:36*	*05/08/24 12:49*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**72.0**		2.00		mg/Kg			05/08/24 12:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**12800**		249		mg/Kg			05/09/24 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**2390**		249		mg/Kg		05/08/24 10:00	05/09/24 13:25	5
Diesel Range Organics (Over C10-C28)	**10400**		249		mg/Kg		05/08/24 10:00	05/09/24 13:25	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-8 (0-1')

Lab Sample ID: 880-43219-43
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 10:00	05/09/24 13:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*428*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 13:25*	*5*
o-Terphenyl	*186*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 13:25*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.28**		4.99		mg/Kg			05/08/24 19:24	1

Client Sample ID: T-8 (1.5')

Lab Sample ID: 880-43219-44
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.34**		0.994		mg/Kg		05/08/24 09:36	05/08/24 13:10	500
Toluene	**59.1**		0.994		mg/Kg		05/08/24 09:36	05/08/24 13:10	500
Ethylbenzene	**26.8**		0.994		mg/Kg		05/08/24 09:36	05/08/24 13:10	500
m-Xylene & p-Xylene	**127**		1.99		mg/Kg		05/08/24 09:36	05/08/24 13:10	500
o-Xylene	**42.9**		0.994		mg/Kg		05/08/24 09:36	05/08/24 13:10	500
Xylenes, Total	**170**		1.99		mg/Kg		05/08/24 09:36	05/08/24 13:10	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 13:10*	*500*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/08/24 09:36*	*05/08/24 13:10*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**258**		1.99		mg/Kg			05/08/24 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**16700**		249		mg/Kg			05/09/24 13:45	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	**3720**		249		mg/Kg		05/08/24 10:00	05/09/24 13:45	5
Diesel Range Organics (Over C10-C28)	**13000**		249		mg/Kg		05/08/24 10:00	05/09/24 13:45	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 10:00	05/09/24 13:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*555*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 13:45*	*5*
o-Terphenyl	*245*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 13:45*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/08/24 19:30	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-8 (2.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-45
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.05		1.01		mg/Kg		05/08/24 09:36	05/08/24 13:30	500
Toluene	41.7		1.01		mg/Kg		05/08/24 09:36	05/08/24 13:30	500
Ethylbenzene	17.7		1.01		mg/Kg		05/08/24 09:36	05/08/24 13:30	500
m-Xylene & p-Xylene	86.0		2.02		mg/Kg		05/08/24 09:36	05/08/24 13:30	500
o-Xylene	27.6		1.01		mg/Kg		05/08/24 09:36	05/08/24 13:30	500
Xylenes, Total	114		2.02		mg/Kg		05/08/24 09:36	05/08/24 13:30	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 13:30*	*500*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/08/24 09:36*	*05/08/24 13:30*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	175		2.02		mg/Kg			05/08/24 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	12600		248		mg/Kg			05/09/24 14:27	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	3330		248		mg/Kg		05/08/24 10:00	05/09/24 14:27	5
Diesel Range Organics (Over C10-C28)	9270		248		mg/Kg		05/08/24 10:00	05/09/24 14:27	5
Oil Range Organics (Over C28-C36)	<248	U	248		mg/Kg		05/08/24 10:00	05/09/24 14:27	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*437*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 14:27*	*5*
o-Terphenyl	*165*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 14:27*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			05/08/24 19:36	1

Client Sample ID: T-8 (3.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-46
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00295		0.00199		mg/Kg		05/08/24 09:36	05/08/24 12:09	1
Toluene	0.200		0.00199		mg/Kg		05/08/24 09:36	05/08/24 12:09	1
Ethylbenzene	0.162		0.00199		mg/Kg		05/08/24 09:36	05/08/24 12:09	1
m-Xylene & p-Xylene	0.583		0.401		mg/Kg		05/08/24 15:28	05/09/24 13:50	100
o-Xylene	0.325		0.00199		mg/Kg		05/08/24 09:36	05/08/24 12:09	1
Xylenes, Total	0.583		0.401		mg/Kg		05/08/24 15:28	05/09/24 13:50	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*289*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 12:09*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/08/24 09:36*	*05/08/24 12:09*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-8 (3.0')

Lab Sample ID: 880-43219-46
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.27		0.401		mg/Kg			05/09/24 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1960		49.6		mg/Kg			05/09/24 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	216		49.6		mg/Kg		05/08/24 10:00	05/09/24 11:22	1
Diesel Range Organics (Over C10-C28)	1740		49.6		mg/Kg		05/08/24 10:00	05/09/24 11:22	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 10:00	05/09/24 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/08/24 10:00*	*05/09/24 11:22*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/08/24 10:00*	*05/09/24 11:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/08/24 19:55	1

Client Sample ID: T-8 (4.0')

Lab Sample ID: 880-43219-47
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00781		0.00200		mg/Kg		05/08/24 09:36	05/08/24 12:29	1
Toluene	0.369		0.00200		mg/Kg		05/08/24 09:36	05/08/24 12:29	1
Ethylbenzene	0.216		0.00200		mg/Kg		05/08/24 09:36	05/08/24 12:29	1
m-Xylene & p-Xylene	0.798		0.398		mg/Kg		05/08/24 15:28	05/09/24 14:11	100
o-Xylene	0.389		0.00200		mg/Kg		05/08/24 09:36	05/08/24 12:29	1
Xylenes, Total	1.03		0.398		mg/Kg		05/08/24 15:28	05/09/24 14:11	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*361*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 12:29*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/08/24 09:36*	*05/08/24 12:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.78		0.398		mg/Kg			05/09/24 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1770		49.6		mg/Kg			05/09/24 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	193		49.6		mg/Kg		05/08/24 10:00	05/09/24 11:42	1
Diesel Range Organics (Over C10-C28)	1580		49.6		mg/Kg		05/08/24 10:00	05/09/24 11:42	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-8 (4.0')

Lab Sample ID: 880-43219-47
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 10:00	05/09/24 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/08/24 10:00*	*05/09/24 11:42*	*1*
o-Terphenyl	*88*		*70 - 130*	*05/08/24 10:00*	*05/09/24 11:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			05/08/24 20:01	1

Client Sample ID: T-9 (0-1')

Lab Sample ID: 880-43219-48
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**30.4**		1.00		mg/Kg		05/08/24 09:36	05/08/24 13:51	500
Toluene	**138**		1.00		mg/Kg		05/08/24 09:36	05/08/24 13:51	500
Ethylbenzene	**32.7**		1.00		mg/Kg		05/08/24 09:36	05/08/24 13:51	500
m-Xylene & p-Xylene	**127**		2.01		mg/Kg		05/08/24 09:36	05/08/24 13:51	500
o-Xylene	**40.6**		1.00		mg/Kg		05/08/24 09:36	05/08/24 13:51	500
Xylenes, Total	**168**		2.01		mg/Kg		05/08/24 09:36	05/08/24 13:51	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 13:51*	*500*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/08/24 09:36*	*05/08/24 13:51*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**369**		2.01		mg/Kg			05/08/24 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**17900**		248		mg/Kg			05/09/24 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**5360**		248		mg/Kg		05/08/24 10:00	05/09/24 14:47	5
Diesel Range Organics (Over C10-C28)	**12500**		248		mg/Kg		05/08/24 10:00	05/09/24 14:47	5
Oil Range Organics (Over C28-C36)	<248	U	248		mg/Kg		05/08/24 10:00	05/09/24 14:47	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*496*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 14:47*	*5*
o-Terphenyl	*237*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 14:47*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.61**		5.00		mg/Kg			05/08/24 20:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-9 (1.5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-49
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	142		1.01		mg/Kg		05/08/24 09:36	05/08/24 14:11	500
Toluene	1550		9.98		mg/Kg		05/08/24 15:28	05/09/24 16:17	5000
Ethylbenzene	120		1.01		mg/Kg		05/08/24 09:36	05/08/24 14:11	500
m-Xylene & p-Xylene	375		2.02		mg/Kg		05/08/24 09:36	05/08/24 14:11	500
o-Xylene	125		1.01		mg/Kg		05/08/24 09:36	05/08/24 14:11	500
Xylenes, Total	500		2.02		mg/Kg		05/08/24 09:36	05/08/24 14:11	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*215*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 14:11*	*500*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/08/24 09:36*	*05/08/24 14:11*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2310		2.02		mg/Kg			05/09/24 16:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	25800		250		mg/Kg			05/09/24 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	11000		250		mg/Kg		05/08/24 10:00	05/09/24 15:08	5
Diesel Range Organics (Over C10-C28)	14800		250		mg/Kg		05/08/24 10:00	05/09/24 15:08	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/08/24 10:00	05/09/24 15:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*669*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 15:08*	*5*
o-Terphenyl	*270*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 15:08*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/08/24 20:14	1

Client Sample ID: T-9 (2.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-50
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	24.5		0.998		mg/Kg		05/08/24 09:36	05/08/24 14:32	500
Toluene	128		0.998		mg/Kg		05/08/24 09:36	05/08/24 14:32	500
Ethylbenzene	33.0		0.998		mg/Kg		05/08/24 09:36	05/08/24 14:32	500
m-Xylene & p-Xylene	99.8		2.00		mg/Kg		05/08/24 09:36	05/08/24 14:32	500
o-Xylene	30.3		0.998		mg/Kg		05/08/24 09:36	05/08/24 14:32	500
Xylenes, Total	130		2.00		mg/Kg		05/08/24 09:36	05/08/24 14:32	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 14:32*	*500*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/08/24 09:36*	*05/08/24 14:32*	*500*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-9 (2.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-50
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	316		2.00		mg/Kg			05/08/24 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7520		250		mg/Kg			05/09/24 15:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3090		250		mg/Kg		05/08/24 10:00	05/09/24 15:28	5
Diesel Range Organics (Over C10-C28)	4430		250		mg/Kg		05/08/24 10:00	05/09/24 15:28	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/08/24 10:00	05/09/24 15:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*191*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 15:28*	*5*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 15:28*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/08/24 20:20	1

Client Sample ID: T-9 (3.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-51
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.163		0.00199		mg/Kg		05/08/24 09:36	05/08/24 15:56	1
Toluene	11.1		0.994		mg/Kg		05/08/24 15:28	05/09/24 14:52	500
Ethylbenzene	0.398		0.00199		mg/Kg		05/08/24 09:36	05/08/24 15:56	1
m-Xylene & p-Xylene	9.94		1.99		mg/Kg		05/08/24 15:28	05/09/24 14:52	500
o-Xylene	2.53		0.994		mg/Kg		05/08/24 15:28	05/09/24 14:52	500
Xylenes, Total	12.5		1.99		mg/Kg		05/08/24 15:28	05/09/24 14:52	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*284*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 15:56*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/08/24 09:36*	*05/08/24 15:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	24.1		1.99		mg/Kg			05/09/24 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1720		49.8		mg/Kg			05/09/24 12:03	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	330		49.8		mg/Kg		05/08/24 10:00	05/09/24 12:03	1
Diesel Range Organics (Over C10-C28)	1390		49.8		mg/Kg		05/08/24 10:00	05/09/24 12:03	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-9 (3.0')

Lab Sample ID: 880-43219-51
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 10:00	05/09/24 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*05/08/24 10:00*	*05/09/24 12:03*	*1*
o-Terphenyl	*98*		*70 - 130*	*05/08/24 10:00*	*05/09/24 12:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			05/08/24 20:27	1

Client Sample ID: T-9 (4.0')

Lab Sample ID: 880-43219-52
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**10.1**		1.00		mg/Kg		05/08/24 09:36	05/08/24 16:57	500
Toluene	**64.4**		1.00		mg/Kg		05/08/24 09:36	05/08/24 16:57	500
Ethylbenzene	**17.0**		1.00		mg/Kg		05/08/24 09:36	05/08/24 16:57	500
m-Xylene & p-Xylene	**64.5**		2.01		mg/Kg		05/08/24 09:36	05/08/24 16:57	500
o-Xylene	**21.4**		1.00		mg/Kg		05/08/24 09:36	05/08/24 16:57	500
Xylenes, Total	**85.9**		2.01		mg/Kg		05/08/24 09:36	05/08/24 16:57	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*05/08/24 09:36*	*05/08/24 16:57*	*500*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/08/24 09:36*	*05/08/24 16:57*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**177**		2.01		mg/Kg			05/08/24 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**7060**		249		mg/Kg			05/09/24 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	**2450**		249		mg/Kg		05/08/24 10:00	05/09/24 15:49	5
Diesel Range Organics (Over C10-C28)	**4610**		249		mg/Kg		05/08/24 10:00	05/09/24 15:49	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 10:00	05/09/24 15:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*207*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 15:49*	*5*
o-Terphenyl	*87*		*70 - 130*	*05/08/24 10:00*	*05/09/24 15:49*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/08/24 20:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-9 (5.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-53
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	22.7		1.01		mg/Kg		05/08/24 09:36	05/08/24 17:18	500
Toluene	95.8		1.01		mg/Kg		05/08/24 09:36	05/08/24 17:18	500
Ethylbenzene	21.2		1.01		mg/Kg		05/08/24 09:36	05/08/24 17:18	500
m-Xylene & p-Xylene	79.6		2.02		mg/Kg		05/08/24 09:36	05/08/24 17:18	500
o-Xylene	25.6		1.01		mg/Kg		05/08/24 09:36	05/08/24 17:18	500
Xylenes, Total	105		2.02		mg/Kg		05/08/24 09:36	05/08/24 17:18	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 17:18*	*500*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/08/24 09:36*	*05/08/24 17:18*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	245		2.02		mg/Kg			05/08/24 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10300		248		mg/Kg			05/09/24 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	4390		248		mg/Kg		05/08/24 10:00	05/09/24 16:10	5
Diesel Range Organics (Over C10-C28)	5900		248		mg/Kg		05/08/24 10:00	05/09/24 16:10	5
Oil Range Organics (Over C28-C36)	<248	U	248		mg/Kg		05/08/24 10:00	05/09/24 16:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*279*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 16:10*	*5*
o-Terphenyl	*113*		*70 - 130*	*05/08/24 10:00*	*05/09/24 16:10*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			05/08/24 20:52	1

Client Sample ID: T-9 (6.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-54
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.02		0.994		mg/Kg		05/08/24 09:36	05/08/24 17:38	500
Toluene	18.4		0.994		mg/Kg		05/08/24 09:36	05/08/24 17:38	500
Ethylbenzene	5.38		0.994		mg/Kg		05/08/24 09:36	05/08/24 17:38	500
m-Xylene & p-Xylene	20.5		1.99		mg/Kg		05/08/24 09:36	05/08/24 17:38	500
o-Xylene	5.83		0.994		mg/Kg		05/08/24 09:36	05/08/24 17:38	500
Xylenes, Total	26.3		1.99		mg/Kg		05/08/24 09:36	05/08/24 17:38	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/08/24 09:36*	*05/08/24 17:38*	*500*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/08/24 09:36*	*05/08/24 17:38*	*500*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-9 (6.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-54
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	53.1		1.99		mg/Kg			05/08/24 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2230		49.8		mg/Kg			05/09/24 12:23	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	642		49.8		mg/Kg		05/08/24 10:00	05/09/24 12:23	1
Diesel Range Organics (Over C10-C28)	1590		49.8		mg/Kg		05/08/24 10:00	05/09/24 12:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 10:00	05/09/24 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/08/24 10:00*	*05/09/24 12:23*	*1*
o-Terphenyl	*88*		*70 - 130*	*05/08/24 10:00*	*05/09/24 12:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.73		4.97		mg/Kg			05/08/24 21:11	1

Client Sample ID: T-9 (7.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-55
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00359		0.00200		mg/Kg		05/08/24 09:36	05/08/24 16:16	1
Toluene	0.0196		0.00200		mg/Kg		05/08/24 09:36	05/08/24 16:16	1
Ethylbenzene	0.0144		0.00200		mg/Kg		05/08/24 09:36	05/08/24 16:16	1
m-Xylene & p-Xylene	0.0806		0.00400		mg/Kg		05/08/24 09:36	05/08/24 16:16	1
o-Xylene	0.0304		0.00200		mg/Kg		05/08/24 09:36	05/08/24 16:16	1
Xylenes, Total	0.111		0.00400		mg/Kg		05/08/24 09:36	05/08/24 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 16:16*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/08/24 09:36*	*05/08/24 16:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.149		0.00400		mg/Kg			05/08/24 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	82.7		49.8		mg/Kg			05/09/24 12:44	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	<49.8	U	49.8		mg/Kg		05/08/24 10:00	05/09/24 12:44	1
Diesel Range Organics (Over C10-C28)	82.7		49.8		mg/Kg		05/08/24 10:00	05/09/24 12:44	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-9 (7.0')

Lab Sample ID: 880-43219-55
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 10:00	05/09/24 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/08/24 10:00*	*05/09/24 12:44*	*1*
o-Terphenyl	*126*		*70 - 130*	*05/08/24 10:00*	*05/09/24 12:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.7**		5.02		mg/Kg			05/08/24 21:17	1

Client Sample ID: T-9 (8.0')

Lab Sample ID: 880-43219-56
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00227**		0.00199		mg/Kg		05/08/24 09:36	05/08/24 16:37	1
Toluene	**0.00648**		0.00199		mg/Kg		05/08/24 09:36	05/08/24 16:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/24 09:36	05/08/24 16:37	1
m-Xylene & p-Xylene	**0.00690**		0.00398		mg/Kg		05/08/24 09:36	05/08/24 16:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/24 09:36	05/08/24 16:37	1
Xylenes, Total	**0.00690**		0.00398		mg/Kg		05/08/24 09:36	05/08/24 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/08/24 09:36*	*05/08/24 16:37*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/08/24 09:36*	*05/08/24 16:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0157**		0.00398		mg/Kg			05/08/24 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/09/24 13:04	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		05/08/24 10:00	05/09/24 13:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 10:00	05/09/24 13:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 10:00	05/09/24 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*05/08/24 10:00*	*05/09/24 13:04*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/08/24 10:00*	*05/09/24 13:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.3**		4.98		mg/Kg			05/08/24 21:24	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-10 (0-1')

Lab Sample ID: 880-43219-57
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	10.1		1.00		mg/Kg		05/08/24 09:36	05/08/24 17:59	500
Toluene	93.9		1.00		mg/Kg		05/08/24 09:36	05/08/24 17:59	500
Ethylbenzene	30.2		1.00		mg/Kg		05/08/24 09:36	05/08/24 17:59	500
m-Xylene & p-Xylene	125		2.00		mg/Kg		05/08/24 09:36	05/08/24 17:59	500
o-Xylene	41.2		1.00		mg/Kg		05/08/24 09:36	05/08/24 17:59	500
Xylenes, Total	166		2.00		mg/Kg		05/08/24 09:36	05/08/24 17:59	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 17:59*	*500*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/08/24 09:36*	*05/08/24 17:59*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	300		2.00		mg/Kg			05/08/24 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10600		250		mg/Kg			05/09/24 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3200		250		mg/Kg		05/08/24 10:00	05/09/24 16:31	5
Diesel Range Organics (Over C10-C28)	7440		250		mg/Kg		05/08/24 10:00	05/09/24 16:31	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/08/24 10:00	05/09/24 16:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*308*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 16:31*	*5*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 16:31*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/08/24 21:30	1

Client Sample ID: T-10 (1.5')

Lab Sample ID: 880-43219-58
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	31.1		0.996		mg/Kg		05/08/24 09:36	05/08/24 18:19	500
Toluene	166		0.996		mg/Kg		05/08/24 09:36	05/08/24 18:19	500
Ethylbenzene	36.9		0.996		mg/Kg		05/08/24 09:36	05/08/24 18:19	500
m-Xylene & p-Xylene	146		1.99		mg/Kg		05/08/24 09:36	05/08/24 18:19	500
o-Xylene	46.0		0.996		mg/Kg		05/08/24 09:36	05/08/24 18:19	500
Xylenes, Total	192		1.99		mg/Kg		05/08/24 09:36	05/08/24 18:19	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 18:19*	*500*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*05/08/24 09:36*	*05/08/24 18:19*	*500*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-10 (1.5')

Lab Sample ID: 880-43219-58
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**426**		1.99		mg/Kg			05/08/24 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**10500**		250		mg/Kg			05/09/24 16:51	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	**4020**		250		mg/Kg		05/08/24 10:00	05/09/24 16:51	5
Diesel Range Organics (Over C10-C28)	**6480**		250		mg/Kg		05/08/24 10:00	05/09/24 16:51	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/08/24 10:00	05/09/24 16:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*307*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 16:51*	*5*
o-Terphenyl	*127*		*70 - 130*	*05/08/24 10:00*	*05/09/24 16:51*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/08/24 21:36	1

Client Sample ID: T-10 (2.0')

Lab Sample ID: 880-43219-59
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**29.2**		0.998		mg/Kg		05/08/24 09:36	05/08/24 18:40	500
Toluene	**126**		0.998		mg/Kg		05/08/24 09:36	05/08/24 18:40	500
Ethylbenzene	**26.5**		0.998		mg/Kg		05/08/24 09:36	05/08/24 18:40	500
m-Xylene & p-Xylene	**104**		2.00		mg/Kg		05/08/24 09:36	05/08/24 18:40	500
o-Xylene	**32.1**		0.998		mg/Kg		05/08/24 09:36	05/08/24 18:40	500
Xylenes, Total	**136**		2.00		mg/Kg		05/08/24 09:36	05/08/24 18:40	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 18:40*	*500*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/08/24 09:36*	*05/08/24 18:40*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**318**		2.00		mg/Kg			05/08/24 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**11000**		249		mg/Kg			05/09/24 17:12	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	**4480**		249		mg/Kg		05/08/24 10:00	05/09/24 17:12	5
Diesel Range Organics (Over C10-C28)	**6540**		249		mg/Kg		05/08/24 10:00	05/09/24 17:12	5

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-10 (2.0')

Lab Sample ID: 880-43219-59
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 10:00	05/09/24 17:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*318*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 17:12*	*5*
o-Terphenyl	*128*		*70 - 130*	*05/08/24 10:00*	*05/09/24 17:12*	*5*

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			05/08/24 21:43	1

Client Sample ID: T-10 (3.0')

Lab Sample ID: 880-43219-60
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**73.6**		0.994		mg/Kg		05/08/24 09:36	05/08/24 19:00	500
Toluene	**645**		9.96		mg/Kg		05/09/24 09:01	05/09/24 12:12	5000
Ethylbenzene	**57.3**		0.994		mg/Kg		05/08/24 09:36	05/08/24 19:00	500
m-Xylene & p-Xylene	**196**		1.99		mg/Kg		05/08/24 09:36	05/08/24 19:00	500
o-Xylene	**62.2**		0.994		mg/Kg		05/08/24 09:36	05/08/24 19:00	500
Xylenes, Total	**258**		1.99		mg/Kg		05/08/24 09:36	05/08/24 19:00	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*162*	*S1+*	*70 - 130*	*05/08/24 09:36*	*05/08/24 19:00*	*500*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/08/24 09:36*	*05/08/24 19:00*	*500*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1030**		1.99		mg/Kg			05/09/24 12:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18600**		249		mg/Kg			05/09/24 17:34	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	**8150**		249		mg/Kg		05/08/24 10:00	05/09/24 17:34	5
Diesel Range Organics (Over C10-C28)	**10400**		249		mg/Kg		05/08/24 10:00	05/09/24 17:34	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/08/24 10:00	05/09/24 17:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*487*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 17:34*	*5*
o-Terphenyl	*202*	*S1+*	*70 - 130*	*05/08/24 10:00*	*05/09/24 17:34*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			05/08/24 21:49	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-10 (4.0')

Lab Sample ID: 880-43219-61
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	168		10.1		mg/Kg		05/09/24 08:57	05/09/24 15:17	5000
Toluene	757		10.1		mg/Kg		05/09/24 08:57	05/09/24 15:17	5000
Ethylbenzene	187		10.1		mg/Kg		05/09/24 08:57	05/09/24 15:17	5000
m-Xylene & p-Xylene	518		20.2		mg/Kg		05/09/24 08:57	05/09/24 15:17	5000
o-Xylene	153		10.1		mg/Kg		05/09/24 08:57	05/09/24 15:17	5000
Xylenes, Total	671		20.2		mg/Kg		05/09/24 08:57	05/09/24 15:17	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*05/09/24 08:57*	*05/09/24 15:17*	*5000*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/24 08:57*	*05/09/24 15:17*	*5000*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1780		20.2		mg/Kg			05/09/24 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19700		250		mg/Kg			05/09/24 13:45	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	10400		250		mg/Kg		05/08/24 10:03	05/09/24 13:45	5
Diesel Range Organics (Over C10-C28)	8120		250		mg/Kg		05/08/24 10:03	05/09/24 13:45	5
Oil Range Organics (Over C28-C36)	1220		250		mg/Kg		05/08/24 10:03	05/09/24 13:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*503*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 13:45*	*5*
o-Terphenyl	*250*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 13:45*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/08/24 15:47	1

Client Sample ID: T-10 (5.0')

Lab Sample ID: 880-43219-62
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00525		0.00200		mg/Kg		05/08/24 09:48	05/08/24 11:57	1
Toluene	0.00634		0.00200		mg/Kg		05/08/24 09:48	05/08/24 11:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:48	05/08/24 11:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/08/24 09:48	05/08/24 11:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:48	05/08/24 11:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/08/24 09:48	05/08/24 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*05/08/24 09:48*	*05/08/24 11:57*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/08/24 09:48*	*05/08/24 11:57*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-10 (5.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-62
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0116**		0.00401		mg/Kg			05/08/24 11:57	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			05/09/24 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	49.8		mg/Kg		05/08/24 10:03	05/09/24 10:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1 F2	49.8		mg/Kg		05/08/24 10:03	05/09/24 10:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 10:03	05/09/24 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/08/24 10:03*	*05/09/24 10:00*	*1*
o-Terphenyl	*102*		*70 - 130*	*05/08/24 10:03*	*05/09/24 10:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			05/08/24 16:05	1

Client Sample ID: T-11 (0-1')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-63
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**91.9**		10.0		mg/Kg		05/09/24 09:01	05/09/24 12:33	5000
Toluene	**619**		10.0		mg/Kg		05/09/24 09:01	05/09/24 12:33	5000
Ethylbenzene	**164**		10.0		mg/Kg		05/09/24 09:01	05/09/24 12:33	5000
m-Xylene & p-Xylene	**706**		20.0		mg/Kg		05/09/24 09:01	05/09/24 12:33	5000
o-Xylene	**227**		10.0		mg/Kg		05/09/24 09:01	05/09/24 12:33	5000
Xylenes, Total	**933**		20.0		mg/Kg		05/09/24 09:01	05/09/24 12:33	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*05/09/24 09:01*	*05/09/24 12:33*	*5000*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/09/24 09:01*	*05/09/24 12:33*	*5000*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1810**		20.0		mg/Kg			05/09/24 12:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**13700**		249		mg/Kg			05/09/24 14:27	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	**5280**		249		mg/Kg		05/08/24 10:03	05/09/24 14:27	5
Diesel Range Organics (Over C10-C28)	**7310**		249		mg/Kg		05/08/24 10:03	05/09/24 14:27	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-11 (0-1')

Lab Sample ID: 880-43219-63
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	1060		249		mg/Kg		05/08/24 10:03	05/09/24 14:27	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*432*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 14:27*	*5*
o-Terphenyl	*212*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 14:27*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.22		4.97		mg/Kg			05/08/24 16:12	1

Client Sample ID: T-11 (2.0')

Lab Sample ID: 880-43219-64
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	117		9.98		mg/Kg		05/09/24 09:01	05/09/24 12:53	5000
Toluene	550		9.98		mg/Kg		05/09/24 09:01	05/09/24 12:53	5000
Ethylbenzene	116		9.98		mg/Kg		05/09/24 09:01	05/09/24 12:53	5000
m-Xylene & p-Xylene	496		20.0		mg/Kg		05/09/24 09:01	05/09/24 12:53	5000
o-Xylene	168		9.98		mg/Kg		05/09/24 09:01	05/09/24 12:53	5000
Xylenes, Total	664		20.0		mg/Kg		05/09/24 09:01	05/09/24 12:53	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*05/09/24 09:01*	*05/09/24 12:53*	*5000*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/09/24 09:01*	*05/09/24 12:53*	*5000*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1450		20.0		mg/Kg			05/09/24 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17600		250		mg/Kg			05/09/24 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	8020		250		mg/Kg		05/08/24 10:03	05/09/24 14:47	5
Diesel Range Organics (Over C10-C28)	8380		250		mg/Kg		05/08/24 10:03	05/09/24 14:47	5
Oil Range Organics (Over C28-C36)	1210		250		mg/Kg		05/08/24 10:03	05/09/24 14:47	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*542*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 14:47*	*5*
o-Terphenyl	*256*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 14:47*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.74		4.97		mg/Kg			05/08/24 16:18	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-11 (3.0')

Lab Sample ID: 880-43219-65
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	233		9.94		mg/Kg		05/09/24 09:01	05/09/24 13:14	5000
Toluene	858		9.94		mg/Kg		05/09/24 09:01	05/09/24 13:14	5000
Ethylbenzene	160		9.94		mg/Kg		05/09/24 09:01	05/09/24 13:14	5000
m-Xylene & p-Xylene	719		19.9		mg/Kg		05/09/24 09:01	05/09/24 13:14	5000
o-Xylene	219		9.94		mg/Kg		05/09/24 09:01	05/09/24 13:14	5000
Xylenes, Total	938		19.9		mg/Kg		05/09/24 09:01	05/09/24 13:14	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*05/09/24 09:01*	*05/09/24 13:14*	*5000*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/09/24 09:01*	*05/09/24 13:14*	*5000*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2190		19.9		mg/Kg			05/09/24 13:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	35400		250		mg/Kg			05/09/24 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17700		250		mg/Kg		05/08/24 10:03	05/09/24 15:08	5
Diesel Range Organics (Over C10-C28)	15300		250		mg/Kg		05/08/24 10:03	05/09/24 15:08	5
Oil Range Organics (Over C28-C36)	2350		250		mg/Kg		05/08/24 10:03	05/09/24 15:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*1069*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 15:08*	*5*
o-Terphenyl	*504*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 15:08*	*5*

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			05/08/24 16:24	1

Client Sample ID: T-11 (4.0')

Lab Sample ID: 880-43219-66
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	400		10.1		mg/Kg		05/09/24 09:01	05/09/24 13:43	5000
Toluene	1250		10.1		mg/Kg		05/09/24 09:01	05/09/24 13:43	5000
Ethylbenzene	249		10.1		mg/Kg		05/09/24 09:01	05/09/24 13:43	5000
m-Xylene & p-Xylene	937		20.2		mg/Kg		05/09/24 09:01	05/09/24 13:43	5000
o-Xylene	285		10.1		mg/Kg		05/09/24 09:01	05/09/24 13:43	5000
Xylenes, Total	1220		20.2		mg/Kg		05/09/24 09:01	05/09/24 13:43	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*05/09/24 09:01*	*05/09/24 13:43*	*5000*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/09/24 09:01*	*05/09/24 13:43*	*5000*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-11 (4.0')

Lab Sample ID: 880-43219-66
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3120		20.2		mg/Kg			05/09/24 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63100		499		mg/Kg			05/09/24 15:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	32700		499		mg/Kg		05/08/24 10:03	05/09/24 15:28	10
Diesel Range Organics (Over C10-C28)	26200		499		mg/Kg		05/08/24 10:03	05/09/24 15:28	10
Oil Range Organics (Over C28-C36)	4150		499		mg/Kg		05/08/24 10:03	05/09/24 15:28	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*1875*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 15:28*	*10*
o-Terphenyl	*850*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 15:28*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		4.98		mg/Kg			05/08/24 19:49	1

Client Sample ID: T-11 (5.0')

Lab Sample ID: 880-43219-67
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0416		0.00200		mg/Kg		05/08/24 09:48	05/08/24 12:17	1
Toluene	0.0415		0.00200		mg/Kg		05/08/24 09:48	05/08/24 12:17	1
Ethylbenzene	0.00330		0.00200		mg/Kg		05/08/24 09:48	05/08/24 12:17	1
m-Xylene & p-Xylene	0.0134		0.00400		mg/Kg		05/08/24 09:48	05/08/24 12:17	1
o-Xylene	0.00355		0.00200		mg/Kg		05/08/24 09:48	05/08/24 12:17	1
Xylenes, Total	0.0170		0.00400		mg/Kg		05/08/24 09:48	05/08/24 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*05/08/24 09:48*	*05/08/24 12:17*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*05/08/24 09:48*	*05/08/24 12:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.103		0.00400		mg/Kg			05/08/24 12:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	182		49.8		mg/Kg			05/09/24 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 10:03	05/09/24 11:01	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-11 (5.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-67
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)	182		49.8		mg/Kg		05/08/24 10:03	05/09/24 11:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 10:03	05/09/24 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*05/08/24 10:03*	*05/09/24 11:01*	*1*
o-Terphenyl	*85*		*70 - 130*	*05/08/24 10:03*	*05/09/24 11:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.23		4.95		mg/Kg			05/08/24 19:55	1

Client Sample ID: T-11 (6.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-68
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	160		9.94		mg/Kg		05/09/24 09:01	05/09/24 14:04	5000
Toluene	642		9.94		mg/Kg		05/09/24 09:01	05/09/24 14:04	5000
Ethylbenzene	152		9.94		mg/Kg		05/09/24 09:01	05/09/24 14:04	5000
m-Xylene & p-Xylene	595		19.9		mg/Kg		05/09/24 09:01	05/09/24 14:04	5000
o-Xylene	194		9.94		mg/Kg		05/09/24 09:01	05/09/24 14:04	5000
Xylenes, Total	789		19.9		mg/Kg		05/09/24 09:01	05/09/24 14:04	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*05/09/24 09:01*	*05/09/24 14:04*	*5000*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/09/24 09:01*	*05/09/24 14:04*	*5000*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1740		19.9		mg/Kg			05/09/24 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	40900		498		mg/Kg			05/09/24 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	10300		498		mg/Kg		05/08/24 10:03	05/09/24 15:49	10
Diesel Range Organics (Over C10-C28)	26700		498		mg/Kg		05/08/24 10:03	05/09/24 15:49	10
Oil Range Organics (Over C28-C36)	3890		498		mg/Kg		05/08/24 10:03	05/09/24 15:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*1125*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 15:49*	*10*
o-Terphenyl	*790*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 15:49*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.0		5.02		mg/Kg			05/08/24 20:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-11 (7.0')

Lab Sample ID: 880-43219-69
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	143		10.0		mg/Kg		05/09/24 09:01	05/09/24 14:24	5000
Toluene	734		10.0		mg/Kg		05/09/24 09:01	05/09/24 14:24	5000
Ethylbenzene	176		10.0		mg/Kg		05/09/24 09:01	05/09/24 14:24	5000
m-Xylene & p-Xylene	674		20.0		mg/Kg		05/09/24 09:01	05/09/24 14:24	5000
o-Xylene	225		10.0		mg/Kg		05/09/24 09:01	05/09/24 14:24	5000
Xylenes, Total	899		20.0		mg/Kg		05/09/24 09:01	05/09/24 14:24	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*05/09/24 09:01*	*05/09/24 14:24*	*5000*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/09/24 09:01*	*05/09/24 14:24*	*5000*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1950		20.0		mg/Kg			05/09/24 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	32500		250		mg/Kg			05/09/24 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	14700		250		mg/Kg		05/08/24 10:03	05/09/24 16:10	5
Diesel Range Organics (Over C10-C28)	15300		250		mg/Kg		05/08/24 10:03	05/09/24 16:10	5
Oil Range Organics (Over C28-C36)	2510		250		mg/Kg		05/08/24 10:03	05/09/24 16:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*1007*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 16:10*	*5*
o-Terphenyl	*497*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 16:10*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.5		4.99		mg/Kg			05/08/24 20:07	1

Client Sample ID: T-11 (8.0')

Lab Sample ID: 880-43219-70
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	643		10.0		mg/Kg		05/09/24 09:01	05/09/24 14:45	5000
Toluene	2010		10.0		mg/Kg		05/09/24 09:01	05/09/24 14:45	5000
Ethylbenzene	388		10.0		mg/Kg		05/09/24 09:01	05/09/24 14:45	5000
m-Xylene & p-Xylene	1400		20.1		mg/Kg		05/09/24 09:01	05/09/24 14:45	5000
o-Xylene	497		10.0		mg/Kg		05/09/24 09:01	05/09/24 14:45	5000
Xylenes, Total	1900		20.1		mg/Kg		05/09/24 09:01	05/09/24 14:45	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*05/09/24 09:01*	*05/09/24 14:45*	*5000*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/09/24 09:01*	*05/09/24 14:45*	*5000*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-11 (8.0')

Lab Sample ID: 880-43219-70
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	4940		20.1		mg/Kg			05/09/24 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	26700		249		mg/Kg			05/09/24 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	14600		249		mg/Kg		05/08/24 10:03	05/09/24 16:31	5
Diesel Range Organics (Over C10-C28)	10500		249		mg/Kg		05/08/24 10:03	05/09/24 16:31	5
Oil Range Organics (Over C28-C36)	1610		249		mg/Kg		05/08/24 10:03	05/09/24 16:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*705*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 16:31*	*5*
o-Terphenyl	*324*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 16:31*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.1		5.04		mg/Kg			05/08/24 20:13	1

Client Sample ID: T-11 (9.0')

Lab Sample ID: 880-43219-71
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	582		10.1		mg/Kg		05/09/24 09:01	05/09/24 15:05	5000
Toluene	1710		10.1		mg/Kg		05/09/24 09:01	05/09/24 15:05	5000
Ethylbenzene	290		10.1		mg/Kg		05/09/24 09:01	05/09/24 15:05	5000
m-Xylene & p-Xylene	1190		20.2		mg/Kg		05/09/24 09:01	05/09/24 15:05	5000
o-Xylene	388		10.1		mg/Kg		05/09/24 09:01	05/09/24 15:05	5000
Xylenes, Total	1580		20.2		mg/Kg		05/09/24 09:01	05/09/24 15:05	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*05/09/24 09:01*	*05/09/24 15:05*	*5000*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/09/24 09:01*	*05/09/24 15:05*	*5000*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	4160		20.2		mg/Kg			05/09/24 15:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17200		249		mg/Kg			05/09/24 16:51	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	9780		249		mg/Kg		05/08/24 10:03	05/09/24 16:51	5

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-11 (9.0')

Lab Sample ID: 880-43219-71
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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)	6490		249		mg/Kg		05/08/24 10:03	05/09/24 16:51	5
Oil Range Organics (Over C28-C36)	888		249		mg/Kg		05/08/24 10:03	05/09/24 16:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*441*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 16:51*	*5*
o-Terphenyl	*191*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 16:51*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		4.97		mg/Kg			05/08/24 20:19	1

Client Sample ID: T-11 (10.0')

Lab Sample ID: 880-43219-72
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	297		9.98		mg/Kg		05/09/24 09:01	05/09/24 16:41	5000
Toluene	859		9.98		mg/Kg		05/09/24 09:01	05/09/24 16:41	5000
Ethylbenzene	159		9.98		mg/Kg		05/09/24 09:01	05/09/24 16:41	5000
m-Xylene & p-Xylene	621		20.0		mg/Kg		05/09/24 09:01	05/09/24 16:41	5000
o-Xylene	190		9.98		mg/Kg		05/09/24 09:01	05/09/24 16:41	5000
Xylenes, Total	811		20.0		mg/Kg		05/09/24 09:01	05/09/24 16:41	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*05/09/24 09:01*	*05/09/24 16:41*	*5000*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/09/24 09:01*	*05/09/24 16:41*	*5000*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2130		20.0		mg/Kg			05/09/24 16:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21500		248		mg/Kg			05/09/24 17:12	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	12200		248		mg/Kg		05/08/24 10:03	05/09/24 17:12	5
Diesel Range Organics (Over C10-C28)	8130		248		mg/Kg		05/08/24 10:03	05/09/24 17:12	5
Oil Range Organics (Over C28-C36)	1180		248		mg/Kg		05/08/24 10:03	05/09/24 17:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*540*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 17:12*	*5*
o-Terphenyl	*248*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 17:12*	*5*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-11 (10.0')

Lab Sample ID: 880-43219-72
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		5.03		mg/Kg			05/08/24 20:38	1

Client Sample ID: T-11 (11.0')

Lab Sample ID: 880-43219-73
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	262		9.98		mg/Kg		05/09/24 08:53	05/09/24 14:47	5000
Toluene	898		9.98		mg/Kg		05/09/24 08:53	05/09/24 14:47	5000
Ethylbenzene	131		9.98		mg/Kg		05/09/24 08:53	05/09/24 14:47	5000
m-Xylene & p-Xylene	600		20.0		mg/Kg		05/09/24 08:53	05/09/24 14:47	5000
o-Xylene	174		9.98		mg/Kg		05/09/24 08:53	05/09/24 14:47	5000
Xylenes, Total	774		20.0		mg/Kg		05/09/24 08:53	05/09/24 14:47	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*	*05/09/24 08:53*	*05/09/24 14:47*	*5000*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 08:53*	*05/09/24 14:47*	*5000*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2070		20.0		mg/Kg			05/09/24 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17100		248		mg/Kg			05/09/24 17:34	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	9180		248		mg/Kg		05/08/24 10:03	05/09/24 17:34	5
Diesel Range Organics (Over C10-C28)	6980		248		mg/Kg		05/08/24 10:03	05/09/24 17:34	5
Oil Range Organics (Over C28-C36)	927		248		mg/Kg		05/08/24 10:03	05/09/24 17:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*467*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 17:34*	*5*
o-Terphenyl	*208*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 17:34*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		4.99		mg/Kg			05/08/24 20:44	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-43219-1	T-1 (0-1')	244 S1+	95
880-43219-1 MS	T-1 (0-1')	274 S1+	139 S1+
880-43219-1 MSD	T-1 (0-1')	209 S1+	98
880-43219-2	T-1 (1.5')	257 S1+	112
880-43219-3	T-1 (2.0')	183 S1+	102
880-43219-4	T-1 (3.0')	187 S1+	103
880-43219-5	T-1 (4.0')	407 S1+	94
880-43219-6	T-1 (5.0')	431 S1+	93
880-43219-7	T-2 (0-1')	306 S1+	130
880-43219-8	T-2 (1.5')	292 S1+	129
880-43219-9	T-2 (2.0')	300 S1+	114
880-43219-10	T-2 (3.0')	232 S1+	92
880-43219-11	T-2 (4.0')	315 S1+	91
880-43219-12	T-2 (5.0')	170 S1+	101
880-43219-13	T-2 (6.0')	318 S1+	90
880-43219-14	T-2 (7.0')	646 S1+	173 S1+
880-43219-15	T-2 (8.0')	125	112
880-43219-16	T-3 (0-1')	569 S1+	90
880-43219-17	T-3 (1.5')	308 S1+	70
880-43219-18	T-3 (2.0')	487 S1+	94
880-43219-19	T-3 (3.0')	371 S1+	101
880-43219-20	T-3 (4.0')	232 S1+	101
880-43219-21	T-3 (5.0')	138 S1+	96
880-43219-21 MS	T-3 (5.0')	136 S1+	100
880-43219-21 MSD	T-3 (5.0')	124	99
880-43219-22	T-4 (0-1')	179 S1+	96
880-43219-23	T-4 (1.5')	165 S1+	93
880-43219-24	T-4 (2.0')	113	96
880-43219-25	T-4 (3.0')	152 S1+	92
880-43219-26	T-4 (4.0')	107	100
880-43219-27	T-5 (0-1')	139 S1+	94
880-43219-28	T-5 (1.5')	135 S1+	99
880-43219-29	T-5 (2.0')	122	101
880-43219-30	T-5 (3.0')	182 S1+	92
880-43219-31	T-5 (4.0')	112	94
880-43219-32	T-6 (0-1')	214 S1+	86
880-43219-33	T-6 (1.5')	258 S1+	95
880-43219-34	T-6 (2.0')	461 S1+	82
880-43219-35	T-6 (3.0')	324 S1+	101
880-43219-36	T-6 (4.0')	248 S1+	88
880-43219-37	T-6 (5.0')	174 S1+	88
880-43219-38	T-7 (0-1')	648 S1+	76
880-43219-39	T-7 (1.5')	315 S1+	97
880-43219-40	T-7 (2.0')	233 S1+	95
880-43219-41	T-7 (3.0')	125	102
880-43219-41 MS	T-7 (3.0')	121	102
880-43219-41 MSD	T-7 (3.0')	126	101
880-43219-42	T-7 (4.0')	187 S1+	106
880-43219-43	T-8 (0-1')	190 S1+	100

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, 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)
880-43219-44	T-8 (1.5')	153 S1+	100
880-43219-45	T-8 (2.0')	144 S1+	103
880-43219-46	T-8 (3.0')	289 S1+	101
880-43219-47	T-8 (4.0')	361 S1+	102
880-43219-48	T-9 (0-1')	146 S1+	103
880-43219-49	T-9 (1.5')	215 S1+	97
880-43219-50	T-9 (2.0')	149 S1+	101
880-43219-51	T-9 (3.0')	284 S1+	101
880-43219-52	T-9 (4.0')	128	101
880-43219-53	T-9 (5.0')	133 S1+	103
880-43219-54	T-9 (6.0')	115	102
880-43219-55	T-9 (7.0')	141 S1+	101
880-43219-56	T-9 (8.0')	120	103
880-43219-57	T-10 (0-1')	151 S1+	104
880-43219-58	T-10 (1.5')	160 S1+	108
880-43219-59	T-10 (2.0')	146 S1+	107
880-43219-60	T-10 (3.0')	162 S1+	101
880-43219-61	T-10 (4.0')	123	98
880-43219-62	T-10 (5.0')	96	98
880-43219-62 MS	T-10 (5.0')	114	95
880-43219-62 MSD	T-10 (5.0')	115	104
880-43219-63	T-11 (0-1')	148 S1+	94
880-43219-64	T-11 (2.0')	137 S1+	93
880-43219-65	T-11 (3.0')	143 S1+	91
880-43219-66	T-11 (4.0')	144 S1+	91
880-43219-67	T-11 (5.0')	87	74
880-43219-68	T-11 (6.0')	131 S1+	93
880-43219-69	T-11 (7.0')	147 S1+	93
880-43219-70	T-11 (8.0')	159 S1+	88
880-43219-71	T-11 (9.0')	150 S1+	89
880-43219-72	T-11 (10.0')	138 S1+	91
880-43219-73	T-11 (11.0')	155 S1+	105
880-43254-A-21-A MS	Matrix Spike	108	102
880-43254-A-21-B MSD	Matrix Spike Duplicate	111	100
880-43264-A-1-C MS	Matrix Spike	109	102
880-43264-A-1-D MSD	Matrix Spike Duplicate	88	112
880-43268-A-1-E MS	Matrix Spike	126	99
880-43268-A-1-F MSD	Matrix Spike Duplicate	126	99
880-43269-A-1-B MS	Matrix Spike	119	101
880-43269-A-1-C MSD	Matrix Spike Duplicate	122	106
880-43290-A-1-B MS	Matrix Spike	115	100
880-43290-A-1-C MSD	Matrix Spike Duplicate	116	101
LCS 880-80224/1-A	Lab Control Sample	116	100
LCS 880-80225/1-A	Lab Control Sample	109	102
LCS 880-80227/1-A	Lab Control Sample	102	101
LCS 880-80228/1-A	Lab Control Sample	118	102
LCS 880-80276/1-A	Lab Control Sample	103	100
LCS 880-80327/1-A	Lab Control Sample	113	98
LCS 880-80328/1-A	Lab Control Sample	109	100
LCS 880-80329/1-A	Lab Control Sample	120	98

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, 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)
LCS 880-80369/1-A	Lab Control Sample	116	101
LCSD 880-80224/2-A	Lab Control Sample Dup	114	101
LCSD 880-80225/2-A	Lab Control Sample Dup	109	101
LCSD 880-80227/2-A	Lab Control Sample Dup	102	101
LCSD 880-80228/2-A	Lab Control Sample Dup	110	96
LCSD 880-80276/2-A	Lab Control Sample Dup	105	101
LCSD 880-80327/2-A	Lab Control Sample Dup	114	99
LCSD 880-80328/2-A	Lab Control Sample Dup	105	100
LCSD 880-80329/2-A	Lab Control Sample Dup	119	98
LCSD 880-80369/2-A	Lab Control Sample Dup	115	129
MB 880-80224/5-A	Method Blank	116	90
MB 880-80225/5-A	Method Blank	78	96
MB 880-80227/5-A	Method Blank	109	101
MB 880-80228/5-A	Method Blank	149 S1+	102
MB 880-80276/5-A	Method Blank	110	102
MB 880-80327/5-A	Method Blank	114	90
MB 880-80328/5-A	Method Blank	79	95
MB 880-80329/5-A	Method Blank	122	97
MB 880-80369/5-A	Method Blank	116	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-43219-1	T-1 (0-1')	179 S1+	234 S1+
880-43219-2	T-1 (1.5')	194 S1+	271 S1+
880-43219-3	T-1 (2.0')	191 S1+	257 S1+
880-43219-4	T-1 (3.0')	189 S1+	235 S1+
880-43219-5	T-1 (4.0')	91	405 S1+
880-43219-6	T-1 (5.0')	159 S1+	105
880-43219-7	T-2 (0-1')	182 S1+	249 S1+
880-43219-8	T-2 (1.5')	138 S1+	185 S1+
880-43219-9	T-2 (2.0')	178 S1+	241 S1+
880-43219-10	T-2 (3.0')	197 S1+	261 S1+
880-43219-11	T-2 (4.0')	118	292 S1+
880-43219-12	T-2 (5.0')	93	97
880-43219-13	T-2 (6.0')	142 S1+	359 S1+
880-43219-14	T-2 (7.0')	236 S1+	632 S1+
880-43219-15	T-2 (8.0')	75	79
880-43219-15 MS	T-2 (8.0')	81	81
880-43219-15 MSD	T-2 (8.0')	81	78
880-43219-16	T-3 (0-1')	163 S1+	205 S1+
880-43219-17	T-3 (1.5')	170 S1+	246 S1+
880-43219-18	T-3 (2.0')	180 S1+	223 S1+
880-43219-19	T-3 (3.0')	117	85

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-43219-20	T-3 (4.0')	100	76
880-43219-21	T-3 (5.0')	80	89
880-43219-21 MS	T-3 (5.0')	97	93
880-43219-21 MSD	T-3 (5.0')	93	88
880-43219-22	T-4 (0-1')	489 S1+	316 S1+
880-43219-23	T-4 (1.5')	81	89
880-43219-24	T-4 (2.0')	101	109
880-43219-25	T-4 (3.0')	108	119
880-43219-26	T-4 (4.0')	96	104
880-43219-27	T-5 (0-1')	285 S1+	285 S1+
880-43219-28	T-5 (1.5')	108	100
880-43219-29	T-5 (2.0')	141 S1+	150 S1+
880-43219-30	T-5 (3.0')	81	88
880-43219-31	T-5 (4.0')	111	121
880-43219-32	T-6 (0-1')	724 S1+	702 S1+
880-43219-33	T-6 (1.5')	1069 S1+	591 S1+
880-43219-34	T-6 (2.0')	892 S1+	465 S1+
880-43219-35	T-6 (3.0')	116	118
880-43219-36	T-6 (4.0')	115	122
880-43219-37	T-6 (5.0')	82	90
880-43219-38	T-7 (0-1')	417 S1+	232 S1+
880-43219-39	T-7 (1.5')	673 S1+	327 S1+
880-43219-40	T-7 (2.0')	81	88
880-43219-41	T-7 (3.0')	106	109
880-43219-41 MS	T-7 (3.0')	95	78
880-43219-41 MSD	T-7 (3.0')	89	76
880-43219-42	T-7 (4.0')	102	91
880-43219-43	T-8 (0-1')	428 S1+	186 S1+
880-43219-44	T-8 (1.5')	555 S1+	245 S1+
880-43219-45	T-8 (2.0')	437 S1+	165 S1+
880-43219-46	T-8 (3.0')	110	86
880-43219-47	T-8 (4.0')	105	88
880-43219-48	T-9 (0-1')	496 S1+	237 S1+
880-43219-49	T-9 (1.5')	669 S1+	270 S1+
880-43219-50	T-9 (2.0')	191 S1+	139 S1+
880-43219-51	T-9 (3.0')	114	98
880-43219-52	T-9 (4.0')	207 S1+	87
880-43219-53	T-9 (5.0')	279 S1+	113
880-43219-54	T-9 (6.0')	109	88
880-43219-55	T-9 (7.0')	106	126
880-43219-56	T-9 (8.0')	104	118
880-43219-57	T-10 (0-1')	308 S1+	146 S1+
880-43219-58	T-10 (1.5')	307 S1+	127
880-43219-59	T-10 (2.0')	318 S1+	128
880-43219-60	T-10 (3.0')	487 S1+	202 S1+
880-43219-61	T-10 (4.0')	503 S1+	250 S1+
880-43219-62	T-10 (5.0')	93	102
880-43219-62 MS	T-10 (5.0')	96	90
880-43219-62 MSD	T-10 (5.0')	80	78
880-43219-63	T-11 (0-1')	432 S1+	212 S1+

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-43219-64	T-11 (2.0')	542 S1+	256 S1+
880-43219-65	T-11 (3.0')	1069 S1+	504 S1+
880-43219-66	T-11 (4.0')	1875 S1+	850 S1+
880-43219-67	T-11 (5.0')	79	85
880-43219-68	T-11 (6.0')	1125 S1+	790 S1+
880-43219-69	T-11 (7.0')	1007 S1+	497 S1+
880-43219-70	T-11 (8.0')	705 S1+	324 S1+
880-43219-71	T-11 (9.0')	441 S1+	191 S1+
880-43219-72	T-11 (10.0')	540 S1+	248 S1+
880-43219-73	T-11 (11.0')	467 S1+	208 S1+
LCS 880-80229/2-A	Lab Control Sample	100	95
LCS 880-80231/2-A	Lab Control Sample	123	115
LCS 880-80233/2-A	Lab Control Sample	97	92
LCS 880-80235/2-A	Lab Control Sample	97	90
LCSD 880-80229/3-A	Lab Control Sample Dup	97	94
LCSD 880-80231/3-A	Lab Control Sample Dup	108	105
LCSD 880-80233/3-A	Lab Control Sample Dup	93	88
LCSD 880-80235/3-A	Lab Control Sample Dup	96	89
MB 880-80229/1-A	Method Blank	109	119
MB 880-80231/1-A	Method Blank	106	117
MB 880-80233/1-A	Method Blank	113	130
MB 880-80235/1-A	Method Blank	122	136 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-80224/5-A
Matrix: Solid
Analysis Batch: 80209

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80224

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:33	05/08/24 11:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:33	05/08/24 11:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:33	05/08/24 11:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/08/24 09:33	05/08/24 11:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:33	05/08/24 11:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/08/24 09:33	05/08/24 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/08/24 09:33*	*05/08/24 11:14*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/08/24 09:33*	*05/08/24 11:14*	*1*

Lab Sample ID: LCS 880-80224/1-A
Matrix: Solid
Analysis Batch: 80209

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80224

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1025		mg/Kg		102	70 - 130		
Toluene			0.100	0.09920		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.09830		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene			0.200	0.2038		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.1027		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-80224/2-A
Matrix: Solid
Analysis Batch: 80209

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80224

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1121		mg/Kg		112	70 - 130	9	35
Toluene			0.100	0.1086		mg/Kg		109	70 - 130	9	35
Ethylbenzene			0.100	0.1085		mg/Kg		109	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.2226		mg/Kg		111	70 - 130	9	35
o-Xylene			0.100	0.1113		mg/Kg		111	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-43219-1 MS
Matrix: Solid
Analysis Batch: 80209

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 80224

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	30.3		0.100	32.75	4	mg/Kg		2439	70 - 130		
Ethylbenzene	43.5		0.100	60.75	4	mg/Kg		17256	70 - 130		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: 880-43219-1 MS — **Client Sample ID: T-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80209 — **Prep Batch: 80224**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	248	E	0.200	189.7	4	mg/Kg		-2931 2	70 - 130
o-Xylene	65.8		0.100	75.03	4	mg/Kg		9234	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*274*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*139*	*S1+*	*70 - 130*

Lab Sample ID: 880-43219-1 MSD — **Client Sample ID: T-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80209 — **Prep Batch: 80224**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	30.3		0.100	33.69	4	mg/Kg		3381	70 - 130	3	35
Ethylbenzene	43.5		0.100	54.30	4	mg/Kg		10809	70 - 130	11	35
o-Xylene	65.8		0.100	68.49	4	mg/Kg		2690	70 - 130	9	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*209*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-80225/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80208 — **Prep Batch: 80225**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:34	05/08/24 11:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:34	05/08/24 11:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:34	05/08/24 11:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/08/24 09:34	05/08/24 11:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:34	05/08/24 11:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/08/24 09:34	05/08/24 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*05/08/24 09:34*	*05/08/24 11:01*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/08/24 09:34*	*05/08/24 11:01*	*1*

Lab Sample ID: LCS 880-80225/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80208 — **Prep Batch: 80225**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1088		mg/Kg		109	70 - 130
Toluene	0.100	0.1148		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1146		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2312		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1149		mg/Kg		115	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-80225/1-A
Matrix: Solid
Analysis Batch: 80208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80225

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-80225/2-A
Matrix: Solid
Analysis Batch: 80208

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80225

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1051		mg/Kg		105	70 - 130	3	35
Toluene			0.100	0.1119		mg/Kg		112	70 - 130	3	35
Ethylbenzene			0.100	0.1128		mg/Kg		113	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2278		mg/Kg		114	70 - 130	2	35
o-Xylene			0.100	0.1137		mg/Kg		114	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-43219-21 MS
Matrix: Solid
Analysis Batch: 80208

Client Sample ID: T-3 (5.0')
Prep Type: Total/NA
Prep Batch: 80225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.09794		mg/Kg		98	70 - 130		
Toluene	0.00888		0.100	0.1146		mg/Kg		106	70 - 130		
Ethylbenzene	0.0116		0.100	0.1170		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene	0.0470		0.200	0.2723		mg/Kg		113	70 - 130		
o-Xylene	0.0170		0.100	0.1246		mg/Kg		108	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-43219-21 MSD
Matrix: Solid
Analysis Batch: 80208

Client Sample ID: T-3 (5.0')
Prep Type: Total/NA
Prep Batch: 80225

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09450		mg/Kg		94	70 - 130	4	35
Toluene	0.00888		0.100	0.1038		mg/Kg		95	70 - 130	10	35
Ethylbenzene	0.0116		0.100	0.1064		mg/Kg		95	70 - 130	9	35
m-Xylene & p-Xylene	0.0470		0.200	0.2354		mg/Kg		94	70 - 130	15	35
o-Xylene	0.0170		0.100	0.1113		mg/Kg		94	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-80227/5-A
Matrix: Solid
Analysis Batch: 80212

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80227

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:36	05/08/24 11:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:36	05/08/24 11:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:36	05/08/24 11:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/08/24 09:36	05/08/24 11:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:36	05/08/24 11:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/08/24 09:36	05/08/24 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/08/24 09:36*	*05/08/24 11:06*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/08/24 09:36*	*05/08/24 11:06*	*1*

Lab Sample ID: LCS 880-80227/1-A
Matrix: Solid
Analysis Batch: 80212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80227

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08811		mg/Kg		88	70 - 130
Toluene	0.100	0.08720		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09134		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1878		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09548		mg/Kg		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-80227/2-A
Matrix: Solid
Analysis Batch: 80212

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80227

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09616		mg/Kg		96	70 - 130	9	35
Toluene	0.100	0.09532		mg/Kg		95	70 - 130	9	35
Ethylbenzene	0.100	0.1001		mg/Kg		100	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2063		mg/Kg		103	70 - 130	9	35
o-Xylene	0.100	0.1044		mg/Kg		104	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-43219-41 MS
Matrix: Solid
Analysis Batch: 80212

Client Sample ID: T-7 (3.0')
Prep Type: Total/NA
Prep Batch: 80227

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.0502	U F1	0.100	2.472	F1	mg/Kg		2472	70 - 130
Toluene	0.228	F1	0.100	2.622	F1	mg/Kg		2394	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: 880-43219-41 MS
Matrix: Solid
Analysis Batch: 80212

Client Sample ID: T-7 (3.0')
Prep Type: Total/NA
Prep Batch: 80227

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.186	F1	0.100	2.747	F1	mg/Kg		2561	70 - 130
m-Xylene & p-Xylene	1.07		0.200	6.027	4	mg/Kg		2480	70 - 130
o-Xylene	0.383	F1	0.100	3.014	F1	mg/Kg		2631	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-43219-41 MSD
Matrix: Solid
Analysis Batch: 80212

Client Sample ID: T-7 (3.0')
Prep Type: Total/NA
Prep Batch: 80227

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.0502	U F1	0.100	2.430	F1	mg/Kg		2430	70 - 130	2	35
Toluene	0.228	F1	0.100	2.583	F1	mg/Kg		2355	70 - 130	2	35
Ethylbenzene	0.186	F1	0.100	2.745	F1	mg/Kg		2559	70 - 130	0	35
m-Xylene & p-Xylene	1.07		0.200	6.092	4	mg/Kg		2513	70 - 130	1	35
o-Xylene	0.383	F1	0.100	2.926	F1	mg/Kg		2543	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-80228/5-A
Matrix: Solid
Analysis Batch: 80210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80228

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:48	05/08/24 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:48	05/08/24 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:48	05/08/24 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/08/24 09:48	05/08/24 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 09:48	05/08/24 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/08/24 09:48	05/08/24 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*05/08/24 09:48*	*05/08/24 11:28*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/08/24 09:48*	*05/08/24 11:28*	*1*

Lab Sample ID: LCS 880-80228/1-A
Matrix: Solid
Analysis Batch: 80210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80228

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1102		mg/Kg		110	70 - 130
Toluene	0.100	0.1021		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1221		mg/Kg		122	70 - 130
m-Xylene & p-Xylene	0.200	0.2552		mg/Kg		128	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-80228/1-A
Matrix: Solid
Analysis Batch: 80210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80228

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1114		mg/Kg		111	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-80228/2-A
Matrix: Solid
Analysis Batch: 80210

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80228

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1055		mg/Kg		105	70 - 130	4	35
Toluene			0.100	0.1013		mg/Kg		101	70 - 130	1	35
Ethylbenzene			0.100	0.1145		mg/Kg		114	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2161		mg/Kg		108	70 - 130	17	35
o-Xylene			0.100	0.1059		mg/Kg		106	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-43219-62 MS
Matrix: Solid
Analysis Batch: 80210

Client Sample ID: T-10 (5.0')
Prep Type: Total/NA
Prep Batch: 80228

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.00525		0.100	0.1024		mg/Kg		97	70 - 130		
Toluene	0.00634		0.100	0.1044		mg/Kg		98	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1224		mg/Kg		122	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2537		mg/Kg		125	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1086		mg/Kg		109	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-43219-62 MSD
Matrix: Solid
Analysis Batch: 80210

Client Sample ID: T-10 (5.0')
Prep Type: Total/NA
Prep Batch: 80228

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00525		0.100	0.1096		mg/Kg		104	70 - 130	7	35
Toluene	0.00634		0.100	0.1040		mg/Kg		98	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.1142		mg/Kg		114	70 - 130	7	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2420		mg/Kg		119	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.1056		mg/Kg		106	70 - 130	3	35

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: 880-43219-62 MSD
Matrix: Solid
Analysis Batch: 80210

Client Sample ID: T-10 (5.0')
Prep Type: Total/NA
Prep Batch: 80228

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-80276/5-A
Matrix: Solid
Analysis Batch: 80323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80276

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:28	05/09/24 11:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:28	05/09/24 11:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:28	05/09/24 11:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/08/24 15:28	05/09/24 11:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:28	05/09/24 11:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/08/24 15:28	05/09/24 11:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	05/08/24 15:28	05/09/24 11:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/08/24 15:28	05/09/24 11:25	1

Lab Sample ID: LCS 880-80276/1-A
Matrix: Solid
Analysis Batch: 80323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80276

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09250		mg/Kg		92	70 - 130		
Toluene			0.100	0.09274		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.09809		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene			0.200	0.2002		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.1022		mg/Kg		102	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-80276/2-A
Matrix: Solid
Analysis Batch: 80323

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80276

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09114		mg/Kg		91	70 - 130	1	35
Toluene			0.100	0.09132		mg/Kg		91	70 - 130	2	35
Ethylbenzene			0.100	0.09679		mg/Kg		97	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1977		mg/Kg		99	70 - 130	1	35
o-Xylene			0.100	0.1014		mg/Kg		101	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-80276/2-A
Matrix: Solid
Analysis Batch: 80323

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80276

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

Lab Sample ID: 880-43254-A-21-A MS
Matrix: Solid
Analysis Batch: 80323

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 80276

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00243	F1 F2	0.100	0.07964		mg/Kg		77	70 - 130
Toluene	<0.00201	U F1 F2	0.100	0.07313		mg/Kg		73	70 - 130
Ethylbenzene	<0.00201	U F1 F2	0.100	0.07803		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1 F2	0.200	0.1548		mg/Kg		77	70 - 130
o-Xylene	<0.00201	U F1 F2	0.100	0.08364		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-43254-A-21-B MSD
Matrix: Solid
Analysis Batch: 80323

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 80276

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00243	F1 F2	0.100	0.01464	F1 F2	mg/Kg		12	70 - 130	138	35
Toluene	<0.00201	U F1 F2	0.100	0.01314	F1 F2	mg/Kg		13	70 - 130	139	35
Ethylbenzene	<0.00201	U F1 F2	0.100	0.01740	F1 F2	mg/Kg		17	70 - 130	127	35
m-Xylene & p-Xylene	<0.00402	U F1 F2	0.200	0.03456	F1 F2	mg/Kg		17	70 - 130	127	35
o-Xylene	<0.00201	U F1 F2	0.100	0.02331	F1 F2	mg/Kg		23	70 - 130	113	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-80327/5-A
Matrix: Solid
Analysis Batch: 80320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80327

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/24 08:53	05/09/24 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 08:53	05/09/24 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 08:53	05/09/24 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 08:53	05/09/24 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 08:53	05/09/24 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 08:53	05/09/24 11:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	05/09/24 08:53	05/09/24 11:21	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/09/24 08:53	05/09/24 11:21	1

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-80327/1-A
Matrix: Solid
Analysis Batch: 80320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80327

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1008		mg/Kg		101	70 - 130		
Toluene			0.100	0.09876		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.09847		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene			0.200	0.2037		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.1024		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-80327/2-A
Matrix: Solid
Analysis Batch: 80320

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80327

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1093		mg/Kg		109	70 - 130	8	35
Toluene			0.100	0.1067		mg/Kg		107	70 - 130	8	35
Ethylbenzene			0.100	0.1072		mg/Kg		107	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.2210		mg/Kg		111	70 - 130	8	35
o-Xylene			0.100	0.1105		mg/Kg		110	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-43269-A-1-B MS
Matrix: Solid
Analysis Batch: 80320

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 80327

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U F1 F2	0.100	0.03751	F1	mg/Kg		38	70 - 130		
Toluene	<0.00201	U F1 F2	0.100	0.01945	F1	mg/Kg		19	70 - 130		
Ethylbenzene	<0.00201	U F1 F2	0.100	0.01089	F1	mg/Kg		11	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F1 F2	0.200	0.02205	F1	mg/Kg		11	70 - 130		
o-Xylene	<0.00201	U F1 F2	0.100	0.01093	F1	mg/Kg		11	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-43269-A-1-C MSD
Matrix: Solid
Analysis Batch: 80320

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 80327

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1 F2	0.100	0.06307	F1 F2	mg/Kg		63	70 - 130	51	35
Toluene	<0.00201	U F1 F2	0.100	0.04192	F1 F2	mg/Kg		42	70 - 130	73	35
Ethylbenzene	<0.00201	U F1 F2	0.100	0.02780	F1 F2	mg/Kg		28	70 - 130	87	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: 880-43269-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80320 — **Prep Batch: 80327**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U F1 F2	0.200	0.05282	F1 F2	mg/Kg		26	70 - 130	82	35
o-Xylene	<0.00201	U F1 F2	0.100	0.02207	F1 F2	mg/Kg		22	70 - 130	67	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 880-80328/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80319 — **Prep Batch: 80328**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/24 08:57	05/09/24 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 08:57	05/09/24 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 08:57	05/09/24 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 08:57	05/09/24 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 08:57	05/09/24 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 08:57	05/09/24 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*05/09/24 08:57*	*05/09/24 11:28*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/09/24 08:57*	*05/09/24 11:28*	*1*

Lab Sample ID: LCS 880-80328/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80319 — **Prep Batch: 80328**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09438		mg/Kg		94	70 - 130
Toluene	0.100	0.09950		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09959		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2016		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1010		mg/Kg		101	70 - 130

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

Lab Sample ID: LCSD 880-80328/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80319 — **Prep Batch: 80328**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08898		mg/Kg		89	70 - 130	6	35
Toluene	0.100	0.09331		mg/Kg		93	70 - 130	6	35
Ethylbenzene	0.100	0.09380		mg/Kg		94	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1896		mg/Kg		95	70 - 130	6	35
o-Xylene	0.100	0.09562		mg/Kg		96	70 - 130	5	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-43264-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80319 — **Prep Batch: 80328**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08928		mg/Kg		89	70 - 130
Toluene	0.00407		0.100	0.09751		mg/Kg		93	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.09567		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1950		mg/Kg		96	70 - 130
o-Xylene	<0.00201	U	0.100	0.09685		mg/Kg		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-43264-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80319 — **Prep Batch: 80328**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09468		mg/Kg		95	70 - 130	6	35
Toluene	0.00407		0.100	0.09372		mg/Kg		90	70 - 130	4	35
Ethylbenzene	<0.00201	U	0.100	0.08972		mg/Kg		89	70 - 130	6	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1833		mg/Kg		90	70 - 130	6	35
o-Xylene	<0.00201	U	0.100	0.09234		mg/Kg		92	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-80329/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80322 — **Prep Batch: 80329**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/24 09:01	05/09/24 11:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 09:01	05/09/24 11:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 09:01	05/09/24 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 09:01	05/09/24 11:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 09:01	05/09/24 11:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 09:01	05/09/24 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	05/09/24 09:01	05/09/24 11:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/09/24 09:01	05/09/24 11:30	1

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-80329/1-A
Matrix: Solid
Analysis Batch: 80322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80329

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08631		mg/Kg		86	70 - 130		
Toluene			0.100	0.08698		mg/Kg		87	70 - 130		
Ethylbenzene			0.100	0.08918		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1871		mg/Kg		94	70 - 130		
o-Xylene			0.100	0.09486		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-80329/2-A
Matrix: Solid
Analysis Batch: 80322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80329

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09666		mg/Kg		97	70 - 130	11	35
Toluene			0.100	0.09737		mg/Kg		97	70 - 130	11	35
Ethylbenzene			0.100	0.1000		mg/Kg		100	70 - 130	11	35
m-Xylene & p-Xylene			0.200	0.2093		mg/Kg		105	70 - 130	11	35
o-Xylene			0.100	0.1052		mg/Kg		105	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-43268-A-1-E MS
Matrix: Solid
Analysis Batch: 80322

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 80329

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.09624		mg/Kg		96	70 - 130		
Toluene	<0.00201	U	0.100	0.09679		mg/Kg		97	70 - 130		
Ethylbenzene	<0.00201	U	0.100	0.09805		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2053		mg/Kg		103	70 - 130		
o-Xylene	<0.00201	U	0.100	0.1033		mg/Kg		103	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-43268-A-1-F MSD
Matrix: Solid
Analysis Batch: 80322

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 80329

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09707		mg/Kg		97	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.09785		mg/Kg		98	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.09929		mg/Kg		99	70 - 130	1	35

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: 880-43268-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80322 — **Prep Batch: 80329**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2073		mg/Kg		104	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.1047		mg/Kg		105	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-80369/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80320 — **Prep Batch: 80369**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/24 14:16	05/09/24 22:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 14:16	05/09/24 22:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 14:16	05/09/24 22:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 14:16	05/09/24 22:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 14:16	05/09/24 22:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 14:16	05/09/24 22:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/09/24 14:16*	*05/09/24 22:58*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/09/24 14:16*	*05/09/24 22:58*	*1*

Lab Sample ID: LCS 880-80369/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80320 — **Prep Batch: 80369**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1211		mg/Kg		121	70 - 130
Toluene	0.100	0.1163		mg/Kg		116	70 - 130
Ethylbenzene	0.100	0.1130		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2327		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1166		mg/Kg		117	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-80369/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80320 — **Prep Batch: 80369**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.2480	*+ *1	mg/Kg		248	70 - 130	69	35
Toluene	0.100	0.2524	*+ *1	mg/Kg		252	70 - 130	74	35
Ethylbenzene	0.100	0.2532	*+ *1	mg/Kg		253	70 - 130	77	35
m-Xylene & p-Xylene	0.200	0.5027	*+ *1	mg/Kg		251	70 - 130	73	35
o-Xylene	0.100	0.2511	*+ *1	mg/Kg		251	70 - 130	73	35

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	129		70 - 130

Lab Sample ID: 880-43290-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80320 — **Prep Batch: 80369**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U *+ *1	0.100	0.1079		mg/Kg		108	70 - 130
Toluene	<0.00201	U *+ *1	0.100	0.08535		mg/Kg		85	70 - 130
Ethylbenzene	<0.00201	U *+ *1	0.100	0.08840		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00402	U *+ *1	0.200	0.1855		mg/Kg		93	70 - 130
o-Xylene	<0.00201	U *+ *1	0.100	0.09743		mg/Kg		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-43290-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80320 — **Prep Batch: 80369**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *+ *1	0.100	0.1122		mg/Kg		112	70 - 130	4	35
Toluene	<0.00201	U *+ *1	0.100	0.08713		mg/Kg		87	70 - 130	2	35
Ethylbenzene	<0.00201	U *+ *1	0.100	0.09154		mg/Kg		92	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U *+ *1	0.200	0.1924		mg/Kg		96	70 - 130	4	35
o-Xylene	<0.00201	U *+ *1	0.100	0.1013		mg/Kg		101	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-80229/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80218 — **Prep Batch: 80229**

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		05/08/24 09:53	05/08/24 21:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 09:53	05/08/24 21:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 09:53	05/08/24 21:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	05/08/24 09:53	05/08/24 21:04	1
o-Terphenyl	119		70 - 130	05/08/24 09:53	05/08/24 21:04	1

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-80229/2-A
Matrix: Solid
Analysis Batch: 80218

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80229

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	911.5		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	994.0		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: LCSD 880-80229/3-A
Matrix: Solid
Analysis Batch: 80218

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80229

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	915.1		mg/Kg		92	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	969.4		mg/Kg		97	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: 880-43219-15 MS
Matrix: Solid
Analysis Batch: 80218

Client Sample ID: T-2 (8.0')
Prep Type: Total/NA
Prep Batch: 80229

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1037		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	63.6	F1	1000	655.7	F1	mg/Kg		59	70 - 130		

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

Lab Sample ID: 880-43219-15 MSD
Matrix: Solid
Analysis Batch: 80218

Client Sample ID: T-2 (8.0')
Prep Type: Total/NA
Prep Batch: 80229

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1143		mg/Kg		112	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	63.6	F1	1000	637.4	F1	mg/Kg		57	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*81*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: 880-43219-15 MSD
Matrix: Solid
Analysis Batch: 80218

Client Sample ID: T-2 (8.0')
Prep Type: Total/NA
Prep Batch: 80229

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	78		70 - 130

Lab Sample ID: MB 880-80231/1-A
Matrix: Solid
Analysis Batch: 80220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80231

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		05/08/24 09:56	05/08/24 21:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 09:56	05/08/24 21:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 09:56	05/08/24 21:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	05/08/24 09:56	05/08/24 21:04	1
o-Terphenyl	117		70 - 130	05/08/24 09:56	05/08/24 21:04	1

Lab Sample ID: LCS 880-80231/2-A
Matrix: Solid
Analysis Batch: 80220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80231

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1083		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1405	*+	mg/Kg		140	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-80231/3-A
Matrix: Solid
Analysis Batch: 80220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80231

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1153		mg/Kg		115	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1135	*1	mg/Kg		114	70 - 130	21	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	105		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: 880-43219-21 MS
Matrix: Solid
Analysis Batch: 80220

Client Sample ID: T-3 (5.0')
Prep Type: Total/NA
Prep Batch: 80231

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	792.2		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	75.5	*1 *+	999	814.8		mg/Kg		74	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: 880-43219-21 MSD
Matrix: Solid
Analysis Batch: 80220

Client Sample ID: T-3 (5.0')
Prep Type: Total/NA
Prep Batch: 80231

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	741.5		mg/Kg		73	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	75.5	*1 *+	999	771.4		mg/Kg		70	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*93*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: MB 880-80233/1-A
Matrix: Solid
Analysis Batch: 80312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80233

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		05/08/24 10:00	05/09/24 07:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 10:00	05/09/24 07:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 10:00	05/09/24 07:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*05/08/24 10:00*	*05/09/24 07:37*	*1*
o-Terphenyl	*130*		*70 - 130*	*05/08/24 10:00*	*05/09/24 07:37*	*1*

Lab Sample ID: LCS 880-80233/2-A
Matrix: Solid
Analysis Batch: 80312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	962.3		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	979.4		mg/Kg		98	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-80233/2-A
Matrix: Solid
Analysis Batch: 80312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80233

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: LCSD 880-80233/3-A
Matrix: Solid
Analysis Batch: 80312

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80233

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	902.4		mg/Kg		90	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	936.6		mg/Kg		94	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 880-43219-41 MS
Matrix: Solid
Analysis Batch: 80312

Client Sample ID: T-7 (3.0')
Prep Type: Total/NA
Prep Batch: 80233

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1150		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	442	F1	1000	1096	F1	mg/Kg		65	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 880-43219-41 MSD
Matrix: Solid
Analysis Batch: 80312

Client Sample ID: T-7 (3.0')
Prep Type: Total/NA
Prep Batch: 80233

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1102		mg/Kg		107	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	442	F1	1000	952.9	F1	mg/Kg		51	70 - 130	14	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	76		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-80235/1-A
Matrix: Solid
Analysis Batch: 80314

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80235

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		05/08/24 10:03	05/09/24 07:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 10:03	05/09/24 07:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 10:03	05/09/24 07:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*05/08/24 10:03*	*05/09/24 07:37*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*05/08/24 10:03*	*05/09/24 07:37*	*1*

Lab Sample ID: LCS 880-80235/2-A
Matrix: Solid
Analysis Batch: 80314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	983.6		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1098		mg/Kg		110	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: LCSD 880-80235/3-A
Matrix: Solid
Analysis Batch: 80314

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80235

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	975.7		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	994.8		mg/Kg		99	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: 880-43219-62 MS
Matrix: Solid
Analysis Batch: 80314

Client Sample ID: T-10 (5.0')
Prep Type: Total/NA
Prep Batch: 80235

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	995	1279		mg/Kg		127	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1 F2	995	713.1	F1	mg/Kg		67	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: 880-43219-62 MS
Matrix: Solid
Analysis Batch: 80314

Client Sample ID: T-10 (5.0')
Prep Type: Total/NA
Prep Batch: 80235

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-43219-62 MSD
Matrix: Solid
Analysis Batch: 80314

Client Sample ID: T-10 (5.0')
Prep Type: Total/NA
Prep Batch: 80235

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	995	1033	F2	mg/Kg		102	70 - 130	21	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1 F2	995	567.4	F1 F2	mg/Kg		53	70 - 130	23	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	80		70 - 130
o-Terphenyl	78		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-80232/1-A
Matrix: Solid
Analysis Batch: 80252

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			05/08/24 11:53	1

Lab Sample ID: LCS 880-80232/2-A
Matrix: Solid
Analysis Batch: 80252

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.2		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-80232/3-A
Matrix: Solid
Analysis Batch: 80252

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	239.5		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-43219-1 MS
Matrix: Solid
Analysis Batch: 80252

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.98		248	242.1		mg/Kg		96	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-43219-1 MSD
Matrix: Solid
Analysis Batch: 80252

Client Sample ID: T-1 (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	4.98		248	242.7		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-43219-11 MS
Matrix: Solid
Analysis Batch: 80252

Client Sample ID: T-2 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<5.03	U	252	243.7		mg/Kg		95	90 - 110

Lab Sample ID: 880-43219-11 MSD
Matrix: Solid
Analysis Batch: 80252

Client Sample ID: T-2 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.03	U	252	244.9		mg/Kg		96	90 - 110	1	20

Lab Sample ID: MB 880-80234/1-A
Matrix: Solid
Analysis Batch: 80257

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			05/08/24 14:27	1

Lab Sample ID: LCS 880-80234/2-A
Matrix: Solid
Analysis Batch: 80257

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	235.2		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-80234/3-A
Matrix: Solid
Analysis Batch: 80257

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	235.3		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-43219-21 MS
Matrix: Solid
Analysis Batch: 80257

Client Sample ID: T-3 (5.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	14.3		252	247.3		mg/Kg		92	90 - 110

Lab Sample ID: 880-43219-21 MSD
Matrix: Solid
Analysis Batch: 80257

Client Sample ID: T-3 (5.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	14.3		252	245.9		mg/Kg		92	90 - 110	1	20

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-43219-31 MS
Matrix: Solid
Analysis Batch: 80257

Client Sample ID: T-5 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<5.00	U	250	242.8		mg/Kg		97	90 - 110

Lab Sample ID: 880-43219-31 MSD
Matrix: Solid
Analysis Batch: 80257

Client Sample ID: T-5 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.00	U	250	240.6		mg/Kg		96	90 - 110	1	20

Lab Sample ID: MB 880-80236/1-A
Matrix: Solid
Analysis Batch: 80260

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			05/08/24 18:40	1

Lab Sample ID: LCS 880-80236/2-A
Matrix: Solid
Analysis Batch: 80260

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.5		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-80236/3-A
Matrix: Solid
Analysis Batch: 80260

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	240.0		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-43219-41 MS
Matrix: Solid
Analysis Batch: 80260

Client Sample ID: T-7 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9.43		250	249.3		mg/Kg		96	90 - 110

Lab Sample ID: 880-43219-41 MSD
Matrix: Solid
Analysis Batch: 80260

Client Sample ID: T-7 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9.43		250	250.4		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-43219-51 MS
Matrix: Solid
Analysis Batch: 80260

Client Sample ID: T-9 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<5.01	U	251	245.0		mg/Kg		97	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-43219-51 MSD
Matrix: Solid
Analysis Batch: 80260

Client Sample ID: T-9 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.01	U	251	244.6		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-80237/1-A
Matrix: Solid
Analysis Batch: 80267

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			05/08/24 15:29	1

Lab Sample ID: LCS 880-80237/2-A
Matrix: Solid
Analysis Batch: 80267

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.8		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-80237/3-A
Matrix: Solid
Analysis Batch: 80267

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.9		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-43219-61 MS
Matrix: Solid
Analysis Batch: 80267

Client Sample ID: T-10 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<4.97	U	249	244.4		mg/Kg		97	90 - 110

Lab Sample ID: 880-43219-61 MSD
Matrix: Solid
Analysis Batch: 80267

Client Sample ID: T-10 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<4.97	U	249	244.1		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-43219-71 MS
Matrix: Solid
Analysis Batch: 80267

Client Sample ID: T-11 (9.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	157		249	400.8		mg/Kg		98	90 - 110

Lab Sample ID: 880-43219-71 MSD
Matrix: Solid
Analysis Batch: 80267

Client Sample ID: T-11 (9.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	157		249	400.2		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 80208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-21	T-3 (5.0')	Total/NA	Solid	8021B	80225
880-43219-22	T-4 (0-1')	Total/NA	Solid	8021B	80225
880-43219-23	T-4 (1.5')	Total/NA	Solid	8021B	80225
880-43219-24	T-4 (2.0')	Total/NA	Solid	8021B	80225
880-43219-25	T-4 (3.0')	Total/NA	Solid	8021B	80225
880-43219-26	T-4 (4.0')	Total/NA	Solid	8021B	80225
880-43219-27	T-5 (0-1')	Total/NA	Solid	8021B	80225
880-43219-29	T-5 (2.0')	Total/NA	Solid	8021B	80225
880-43219-30	T-5 (3.0')	Total/NA	Solid	8021B	80225
880-43219-31	T-5 (4.0')	Total/NA	Solid	8021B	80225
880-43219-32	T-6 (0-1')	Total/NA	Solid	8021B	80225
880-43219-33	T-6 (1.5')	Total/NA	Solid	8021B	80225
880-43219-34	T-6 (2.0')	Total/NA	Solid	8021B	80225
880-43219-35	T-6 (3.0')	Total/NA	Solid	8021B	80225
880-43219-36	T-6 (4.0')	Total/NA	Solid	8021B	80225
880-43219-37	T-6 (5.0')	Total/NA	Solid	8021B	80225
880-43219-38	T-7 (0-1')	Total/NA	Solid	8021B	80225
880-43219-39	T-7 (1.5')	Total/NA	Solid	8021B	80225
880-43219-40	T-7 (2.0')	Total/NA	Solid	8021B	80225
MB 880-80225/5-A	Method Blank	Total/NA	Solid	8021B	80225
LCS 880-80225/1-A	Lab Control Sample	Total/NA	Solid	8021B	80225
LCSD 880-80225/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80225
880-43219-21 MS	T-3 (5.0')	Total/NA	Solid	8021B	80225
880-43219-21 MSD	T-3 (5.0')	Total/NA	Solid	8021B	80225

Analysis Batch: 80209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-1	T-1 (0-1')	Total/NA	Solid	8021B	80224
880-43219-2	T-1 (1.5')	Total/NA	Solid	8021B	80224
880-43219-3	T-1 (2.0')	Total/NA	Solid	8021B	80224
880-43219-4	T-1 (3.0')	Total/NA	Solid	8021B	80224
880-43219-5	T-1 (4.0')	Total/NA	Solid	8021B	80224
880-43219-6	T-1 (5.0')	Total/NA	Solid	8021B	80224
880-43219-7	T-2 (0-1')	Total/NA	Solid	8021B	80224
880-43219-8	T-2 (1.5')	Total/NA	Solid	8021B	80224
880-43219-9	T-2 (2.0')	Total/NA	Solid	8021B	80224
880-43219-10	T-2 (3.0')	Total/NA	Solid	8021B	80224
880-43219-11	T-2 (4.0')	Total/NA	Solid	8021B	80224
880-43219-12	T-2 (5.0')	Total/NA	Solid	8021B	80224
880-43219-13	T-2 (6.0')	Total/NA	Solid	8021B	80224
880-43219-14	T-2 (7.0')	Total/NA	Solid	8021B	80224
880-43219-15	T-2 (8.0')	Total/NA	Solid	8021B	80224
880-43219-16	T-3 (0-1')	Total/NA	Solid	8021B	80224
880-43219-17	T-3 (1.5')	Total/NA	Solid	8021B	80224
880-43219-18	T-3 (2.0')	Total/NA	Solid	8021B	80224
880-43219-19	T-3 (3.0')	Total/NA	Solid	8021B	80224
880-43219-20	T-3 (4.0')	Total/NA	Solid	8021B	80224
MB 880-80224/5-A	Method Blank	Total/NA	Solid	8021B	80224
LCS 880-80224/1-A	Lab Control Sample	Total/NA	Solid	8021B	80224
LCSD 880-80224/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80224
880-43219-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	80224

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 80209 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	80224

Analysis Batch: 80210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-62	T-10 (5.0')	Total/NA	Solid	8021B	80228
880-43219-67	T-11 (5.0')	Total/NA	Solid	8021B	80228
MB 880-80228/5-A	Method Blank	Total/NA	Solid	8021B	80228
LCS 880-80228/1-A	Lab Control Sample	Total/NA	Solid	8021B	80228
LCSD 880-80228/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80228
880-43219-62 MS	T-10 (5.0')	Total/NA	Solid	8021B	80228
880-43219-62 MSD	T-10 (5.0')	Total/NA	Solid	8021B	80228

Analysis Batch: 80212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-41	T-7 (3.0')	Total/NA	Solid	8021B	80227
880-43219-42	T-7 (4.0')	Total/NA	Solid	8021B	80227
880-43219-43	T-8 (0-1')	Total/NA	Solid	8021B	80227
880-43219-44	T-8 (1.5')	Total/NA	Solid	8021B	80227
880-43219-45	T-8 (2.0')	Total/NA	Solid	8021B	80227
880-43219-46	T-8 (3.0')	Total/NA	Solid	8021B	80227
880-43219-47	T-8 (4.0')	Total/NA	Solid	8021B	80227
880-43219-48	T-9 (0-1')	Total/NA	Solid	8021B	80227
880-43219-49	T-9 (1.5')	Total/NA	Solid	8021B	80227
880-43219-50	T-9 (2.0')	Total/NA	Solid	8021B	80227
880-43219-51	T-9 (3.0')	Total/NA	Solid	8021B	80227
880-43219-52	T-9 (4.0')	Total/NA	Solid	8021B	80227
880-43219-53	T-9 (5.0')	Total/NA	Solid	8021B	80227
880-43219-54	T-9 (6.0')	Total/NA	Solid	8021B	80227
880-43219-55	T-9 (7.0')	Total/NA	Solid	8021B	80227
880-43219-56	T-9 (8.0')	Total/NA	Solid	8021B	80227
880-43219-57	T-10 (0-1')	Total/NA	Solid	8021B	80227
880-43219-58	T-10 (1.5')	Total/NA	Solid	8021B	80227
880-43219-59	T-10 (2.0')	Total/NA	Solid	8021B	80227
880-43219-60	T-10 (3.0')	Total/NA	Solid	8021B	80227
MB 880-80227/5-A	Method Blank	Total/NA	Solid	8021B	80227
LCS 880-80227/1-A	Lab Control Sample	Total/NA	Solid	8021B	80227
LCSD 880-80227/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80227
880-43219-41 MS	T-7 (3.0')	Total/NA	Solid	8021B	80227
880-43219-41 MSD	T-7 (3.0')	Total/NA	Solid	8021B	80227

Prep Batch: 80224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-1	T-1 (0-1')	Total/NA	Solid	5035	
880-43219-2	T-1 (1.5')	Total/NA	Solid	5035	
880-43219-3	T-1 (2.0')	Total/NA	Solid	5035	
880-43219-4	T-1 (3.0')	Total/NA	Solid	5035	
880-43219-5	T-1 (4.0')	Total/NA	Solid	5035	
880-43219-6	T-1 (5.0')	Total/NA	Solid	5035	
880-43219-7	T-2 (0-1')	Total/NA	Solid	5035	
880-43219-8	T-2 (1.5')	Total/NA	Solid	5035	
880-43219-9	T-2 (2.0')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 80224 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-10	T-2 (3.0')	Total/NA	Solid	5035	
880-43219-11	T-2 (4.0')	Total/NA	Solid	5035	
880-43219-12	T-2 (5.0')	Total/NA	Solid	5035	
880-43219-13	T-2 (6.0')	Total/NA	Solid	5035	
880-43219-14	T-2 (7.0')	Total/NA	Solid	5035	
880-43219-15	T-2 (8.0')	Total/NA	Solid	5035	
880-43219-16	T-3 (0-1')	Total/NA	Solid	5035	
880-43219-17	T-3 (1.5')	Total/NA	Solid	5035	
880-43219-18	T-3 (2.0')	Total/NA	Solid	5035	
880-43219-19	T-3 (3.0')	Total/NA	Solid	5035	
880-43219-20	T-3 (4.0')	Total/NA	Solid	5035	
MB 880-80224/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80224/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80224/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43219-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-43219-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 80225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-21	T-3 (5.0')	Total/NA	Solid	5035	
880-43219-22	T-4 (0-1')	Total/NA	Solid	5035	
880-43219-23	T-4 (1.5')	Total/NA	Solid	5035	
880-43219-24	T-4 (2.0')	Total/NA	Solid	5035	
880-43219-25	T-4 (3.0')	Total/NA	Solid	5035	
880-43219-26	T-4 (4.0')	Total/NA	Solid	5035	
880-43219-27	T-5 (0-1')	Total/NA	Solid	5035	
880-43219-29	T-5 (2.0')	Total/NA	Solid	5035	
880-43219-30	T-5 (3.0')	Total/NA	Solid	5035	
880-43219-31	T-5 (4.0')	Total/NA	Solid	5035	
880-43219-32	T-6 (0-1')	Total/NA	Solid	5035	
880-43219-33	T-6 (1.5')	Total/NA	Solid	5035	
880-43219-34	T-6 (2.0')	Total/NA	Solid	5035	
880-43219-35	T-6 (3.0')	Total/NA	Solid	5035	
880-43219-36	T-6 (4.0')	Total/NA	Solid	5035	
880-43219-37	T-6 (5.0')	Total/NA	Solid	5035	
880-43219-38	T-7 (0-1')	Total/NA	Solid	5035	
880-43219-39	T-7 (1.5')	Total/NA	Solid	5035	
880-43219-40	T-7 (2.0')	Total/NA	Solid	5035	
MB 880-80225/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80225/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80225/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43219-21 MS	T-3 (5.0')	Total/NA	Solid	5035	
880-43219-21 MSD	T-3 (5.0')	Total/NA	Solid	5035	

Prep Batch: 80227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-41	T-7 (3.0')	Total/NA	Solid	5035	
880-43219-42	T-7 (4.0')	Total/NA	Solid	5035	
880-43219-43	T-8 (0-1')	Total/NA	Solid	5035	
880-43219-44	T-8 (1.5')	Total/NA	Solid	5035	
880-43219-45	T-8 (2.0')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 80227 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-46	T-8 (3.0')	Total/NA	Solid	5035	
880-43219-47	T-8 (4.0')	Total/NA	Solid	5035	
880-43219-48	T-9 (0-1')	Total/NA	Solid	5035	
880-43219-49	T-9 (1.5')	Total/NA	Solid	5035	
880-43219-50	T-9 (2.0')	Total/NA	Solid	5035	
880-43219-51	T-9 (3.0')	Total/NA	Solid	5035	
880-43219-52	T-9 (4.0')	Total/NA	Solid	5035	
880-43219-53	T-9 (5.0')	Total/NA	Solid	5035	
880-43219-54	T-9 (6.0')	Total/NA	Solid	5035	
880-43219-55	T-9 (7.0')	Total/NA	Solid	5035	
880-43219-56	T-9 (8.0')	Total/NA	Solid	5035	
880-43219-57	T-10 (0-1')	Total/NA	Solid	5035	
880-43219-58	T-10 (1.5')	Total/NA	Solid	5035	
880-43219-59	T-10 (2.0')	Total/NA	Solid	5035	
880-43219-60	T-10 (3.0')	Total/NA	Solid	5035	
MB 880-80227/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80227/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80227/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43219-41 MS	T-7 (3.0')	Total/NA	Solid	5035	
880-43219-41 MSD	T-7 (3.0')	Total/NA	Solid	5035	

Prep Batch: 80228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-62	T-10 (5.0')	Total/NA	Solid	5035	
880-43219-67	T-11 (5.0')	Total/NA	Solid	5035	
MB 880-80228/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80228/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80228/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43219-62 MS	T-10 (5.0')	Total/NA	Solid	5035	
880-43219-62 MSD	T-10 (5.0')	Total/NA	Solid	5035	

Prep Batch: 80276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-13	T-2 (6.0')	Total/NA	Solid	5035	
880-43219-14	T-2 (7.0')	Total/NA	Solid	5035	
880-43219-16	T-3 (0-1')	Total/NA	Solid	5035	
880-43219-18	T-3 (2.0')	Total/NA	Solid	5035	
880-43219-19	T-3 (3.0')	Total/NA	Solid	5035	
880-43219-46	T-8 (3.0')	Total/NA	Solid	5035	
880-43219-47	T-8 (4.0')	Total/NA	Solid	5035	
880-43219-49	T-9 (1.5')	Total/NA	Solid	5035	
880-43219-51	T-9 (3.0')	Total/NA	Solid	5035	
MB 880-80276/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80276/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80276/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43254-A-21-A MS	Matrix Spike	Total/NA	Solid	5035	
880-43254-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 80319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-28	T-5 (1.5')	Total/NA	Solid	8021B	80328

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 80319 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-33	T-6 (1.5')	Total/NA	Solid	8021B	80328
880-43219-34	T-6 (2.0')	Total/NA	Solid	8021B	80328
880-43219-35	T-6 (3.0')	Total/NA	Solid	8021B	80328
880-43219-36	T-6 (4.0')	Total/NA	Solid	8021B	80328
880-43219-38	T-7 (0-1')	Total/NA	Solid	8021B	80328
880-43219-39	T-7 (1.5')	Total/NA	Solid	8021B	80328
880-43219-61	T-10 (4.0')	Total/NA	Solid	8021B	80328
MB 880-80328/5-A	Method Blank	Total/NA	Solid	8021B	80328
LCS 880-80328/1-A	Lab Control Sample	Total/NA	Solid	8021B	80328
LCSD 880-80328/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80328
880-43264-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	80328
880-43264-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	80328

Analysis Batch: 80320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-1	T-1 (0-1')	Total/NA	Solid	8021B	80327
880-43219-5	T-1 (4.0')	Total/NA	Solid	8021B	80327
880-43219-6	T-1 (5.0')	Total/NA	Solid	8021B	80327
880-43219-7	T-2 (0-1')	Total/NA	Solid	8021B	80327
880-43219-8	T-2 (1.5')	Total/NA	Solid	8021B	80369
880-43219-9	T-2 (2.0')	Total/NA	Solid	8021B	80369
880-43219-10	T-2 (3.0')	Total/NA	Solid	8021B	80327
880-43219-11	T-2 (4.0')	Total/NA	Solid	8021B	80327
880-43219-34	T-6 (2.0')	Total/NA	Solid	8021B	80327
880-43219-73	T-11 (11.0')	Total/NA	Solid	8021B	80327
MB 880-80327/5-A	Method Blank	Total/NA	Solid	8021B	80327
MB 880-80369/5-A	Method Blank	Total/NA	Solid	8021B	80369
LCS 880-80327/1-A	Lab Control Sample	Total/NA	Solid	8021B	80327
LCS 880-80369/1-A	Lab Control Sample	Total/NA	Solid	8021B	80369
LCSD 880-80327/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80327
LCSD 880-80369/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80369
880-43269-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	80327
880-43269-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	80327
880-43290-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	80369
880-43290-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	80369

Analysis Batch: 80322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-60	T-10 (3.0')	Total/NA	Solid	8021B	80329
880-43219-63	T-11 (0-1')	Total/NA	Solid	8021B	80329
880-43219-64	T-11 (2.0')	Total/NA	Solid	8021B	80329
880-43219-65	T-11 (3.0')	Total/NA	Solid	8021B	80329
880-43219-66	T-11 (4.0')	Total/NA	Solid	8021B	80329
880-43219-68	T-11 (6.0')	Total/NA	Solid	8021B	80329
880-43219-69	T-11 (7.0')	Total/NA	Solid	8021B	80329
880-43219-70	T-11 (8.0')	Total/NA	Solid	8021B	80329
880-43219-71	T-11 (9.0')	Total/NA	Solid	8021B	80329
880-43219-72	T-11 (10.0')	Total/NA	Solid	8021B	80329
MB 880-80329/5-A	Method Blank	Total/NA	Solid	8021B	80329
LCS 880-80329/1-A	Lab Control Sample	Total/NA	Solid	8021B	80329
LCSD 880-80329/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80329

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 80322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43268-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	80329
880-43268-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	80329

Analysis Batch: 80323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-13	T-2 (6.0')	Total/NA	Solid	8021B	80276
880-43219-14	T-2 (7.0')	Total/NA	Solid	8021B	80276
880-43219-16	T-3 (0-1')	Total/NA	Solid	8021B	80276
880-43219-18	T-3 (2.0')	Total/NA	Solid	8021B	80276
880-43219-19	T-3 (3.0')	Total/NA	Solid	8021B	80276
880-43219-46	T-8 (3.0')	Total/NA	Solid	8021B	80276
880-43219-47	T-8 (4.0')	Total/NA	Solid	8021B	80276
880-43219-49	T-9 (1.5')	Total/NA	Solid	8021B	80276
880-43219-51	T-9 (3.0')	Total/NA	Solid	8021B	80276
MB 880-80276/5-A	Method Blank	Total/NA	Solid	8021B	80276
LCS 880-80276/1-A	Lab Control Sample	Total/NA	Solid	8021B	80276
LCSD 880-80276/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80276
880-43254-A-21-A MS	Matrix Spike	Total/NA	Solid	8021B	80276
880-43254-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	80276

Prep Batch: 80327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-1	T-1 (0-1')	Total/NA	Solid	5035	
880-43219-5	T-1 (4.0')	Total/NA	Solid	5035	
880-43219-6	T-1 (5.0')	Total/NA	Solid	5035	
880-43219-7	T-2 (0-1')	Total/NA	Solid	5035	
880-43219-10	T-2 (3.0')	Total/NA	Solid	5035	
880-43219-11	T-2 (4.0')	Total/NA	Solid	5035	
880-43219-34	T-6 (2.0')	Total/NA	Solid	5035	
880-43219-73	T-11 (11.0')	Total/NA	Solid	5035	
MB 880-80327/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80327/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80327/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43269-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-43269-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 80328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-28	T-5 (1.5')	Total/NA	Solid	5035	
880-43219-33	T-6 (1.5')	Total/NA	Solid	5035	
880-43219-34	T-6 (2.0')	Total/NA	Solid	5035	
880-43219-35	T-6 (3.0')	Total/NA	Solid	5035	
880-43219-36	T-6 (4.0')	Total/NA	Solid	5035	
880-43219-38	T-7 (0-1')	Total/NA	Solid	5035	
880-43219-39	T-7 (1.5')	Total/NA	Solid	5035	
880-43219-61	T-10 (4.0')	Total/NA	Solid	5035	
MB 880-80328/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80328/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80328/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43264-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-43264-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC VOA

Prep Batch: 80329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-60	T-10 (3.0')	Total/NA	Solid	5035	
880-43219-63	T-11 (0-1')	Total/NA	Solid	5035	
880-43219-64	T-11 (2.0')	Total/NA	Solid	5035	
880-43219-65	T-11 (3.0')	Total/NA	Solid	5035	
880-43219-66	T-11 (4.0')	Total/NA	Solid	5035	
880-43219-68	T-11 (6.0')	Total/NA	Solid	5035	
880-43219-69	T-11 (7.0')	Total/NA	Solid	5035	
880-43219-70	T-11 (8.0')	Total/NA	Solid	5035	
880-43219-71	T-11 (9.0')	Total/NA	Solid	5035	
880-43219-72	T-11 (10.0')	Total/NA	Solid	5035	
MB 880-80329/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80329/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80329/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43268-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-43268-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 80360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-43219-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-43219-3	T-1 (2.0')	Total/NA	Solid	Total BTEX	
880-43219-4	T-1 (3.0')	Total/NA	Solid	Total BTEX	
880-43219-5	T-1 (4.0')	Total/NA	Solid	Total BTEX	
880-43219-6	T-1 (5.0')	Total/NA	Solid	Total BTEX	
880-43219-7	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-43219-8	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-43219-9	T-2 (2.0')	Total/NA	Solid	Total BTEX	
880-43219-10	T-2 (3.0')	Total/NA	Solid	Total BTEX	
880-43219-11	T-2 (4.0')	Total/NA	Solid	Total BTEX	
880-43219-12	T-2 (5.0')	Total/NA	Solid	Total BTEX	
880-43219-13	T-2 (6.0')	Total/NA	Solid	Total BTEX	
880-43219-14	T-2 (7.0')	Total/NA	Solid	Total BTEX	
880-43219-15	T-2 (8.0')	Total/NA	Solid	Total BTEX	
880-43219-16	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-43219-17	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-43219-18	T-3 (2.0')	Total/NA	Solid	Total BTEX	
880-43219-19	T-3 (3.0')	Total/NA	Solid	Total BTEX	
880-43219-20	T-3 (4.0')	Total/NA	Solid	Total BTEX	
880-43219-21	T-3 (5.0')	Total/NA	Solid	Total BTEX	
880-43219-22	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-43219-23	T-4 (1.5')	Total/NA	Solid	Total BTEX	
880-43219-24	T-4 (2.0')	Total/NA	Solid	Total BTEX	
880-43219-25	T-4 (3.0')	Total/NA	Solid	Total BTEX	
880-43219-26	T-4 (4.0')	Total/NA	Solid	Total BTEX	
880-43219-27	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-43219-28	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-43219-29	T-5 (2.0')	Total/NA	Solid	Total BTEX	
880-43219-30	T-5 (3.0')	Total/NA	Solid	Total BTEX	
880-43219-31	T-5 (4.0')	Total/NA	Solid	Total BTEX	
880-43219-32	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-43219-33	T-6 (1.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 80360 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-34	T-6 (2.0')	Total/NA	Solid	Total BTEX	
880-43219-35	T-6 (3.0')	Total/NA	Solid	Total BTEX	
880-43219-36	T-6 (4.0')	Total/NA	Solid	Total BTEX	
880-43219-37	T-6 (5.0')	Total/NA	Solid	Total BTEX	
880-43219-38	T-7 (0-1')	Total/NA	Solid	Total BTEX	
880-43219-39	T-7 (1.5')	Total/NA	Solid	Total BTEX	
880-43219-40	T-7 (2.0')	Total/NA	Solid	Total BTEX	
880-43219-41	T-7 (3.0')	Total/NA	Solid	Total BTEX	
880-43219-42	T-7 (4.0')	Total/NA	Solid	Total BTEX	
880-43219-43	T-8 (0-1')	Total/NA	Solid	Total BTEX	
880-43219-44	T-8 (1.5')	Total/NA	Solid	Total BTEX	
880-43219-45	T-8 (2.0')	Total/NA	Solid	Total BTEX	
880-43219-46	T-8 (3.0')	Total/NA	Solid	Total BTEX	
880-43219-47	T-8 (4.0')	Total/NA	Solid	Total BTEX	
880-43219-48	T-9 (0-1')	Total/NA	Solid	Total BTEX	
880-43219-49	T-9 (1.5')	Total/NA	Solid	Total BTEX	
880-43219-50	T-9 (2.0')	Total/NA	Solid	Total BTEX	
880-43219-51	T-9 (3.0')	Total/NA	Solid	Total BTEX	
880-43219-52	T-9 (4.0')	Total/NA	Solid	Total BTEX	
880-43219-53	T-9 (5.0')	Total/NA	Solid	Total BTEX	
880-43219-54	T-9 (6.0')	Total/NA	Solid	Total BTEX	
880-43219-55	T-9 (7.0')	Total/NA	Solid	Total BTEX	
880-43219-56	T-9 (8.0')	Total/NA	Solid	Total BTEX	
880-43219-57	T-10 (0-1')	Total/NA	Solid	Total BTEX	
880-43219-58	T-10 (1.5')	Total/NA	Solid	Total BTEX	
880-43219-59	T-10 (2.0')	Total/NA	Solid	Total BTEX	
880-43219-60	T-10 (3.0')	Total/NA	Solid	Total BTEX	
880-43219-61	T-10 (4.0')	Total/NA	Solid	Total BTEX	
880-43219-62	T-10 (5.0')	Total/NA	Solid	Total BTEX	
880-43219-63	T-11 (0-1')	Total/NA	Solid	Total BTEX	
880-43219-64	T-11 (2.0')	Total/NA	Solid	Total BTEX	
880-43219-65	T-11 (3.0')	Total/NA	Solid	Total BTEX	
880-43219-66	T-11 (4.0')	Total/NA	Solid	Total BTEX	
880-43219-67	T-11 (5.0')	Total/NA	Solid	Total BTEX	
880-43219-68	T-11 (6.0')	Total/NA	Solid	Total BTEX	
880-43219-69	T-11 (7.0')	Total/NA	Solid	Total BTEX	
880-43219-70	T-11 (8.0')	Total/NA	Solid	Total BTEX	
880-43219-71	T-11 (9.0')	Total/NA	Solid	Total BTEX	
880-43219-72	T-11 (10.0')	Total/NA	Solid	Total BTEX	
880-43219-73	T-11 (11.0')	Total/NA	Solid	Total BTEX	

Prep Batch: 80369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-8	T-2 (1.5')	Total/NA	Solid	5035	
880-43219-9	T-2 (2.0')	Total/NA	Solid	5035	
MB 880-80369/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80369/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80369/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43290-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-43290-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 80218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-1	T-1 (0-1')	Total/NA	Solid	8015B NM	80229
880-43219-2	T-1 (1.5')	Total/NA	Solid	8015B NM	80229
880-43219-3	T-1 (2.0')	Total/NA	Solid	8015B NM	80229
880-43219-4	T-1 (3.0')	Total/NA	Solid	8015B NM	80229
880-43219-5	T-1 (4.0')	Total/NA	Solid	8015B NM	80229
880-43219-6	T-1 (5.0')	Total/NA	Solid	8015B NM	80229
880-43219-7	T-2 (0-1')	Total/NA	Solid	8015B NM	80229
880-43219-8	T-2 (1.5')	Total/NA	Solid	8015B NM	80229
880-43219-9	T-2 (2.0')	Total/NA	Solid	8015B NM	80229
880-43219-10	T-2 (3.0')	Total/NA	Solid	8015B NM	80229
880-43219-11	T-2 (4.0')	Total/NA	Solid	8015B NM	80229
880-43219-12	T-2 (5.0')	Total/NA	Solid	8015B NM	80229
880-43219-13	T-2 (6.0')	Total/NA	Solid	8015B NM	80229
880-43219-14	T-2 (7.0')	Total/NA	Solid	8015B NM	80229
880-43219-15	T-2 (8.0')	Total/NA	Solid	8015B NM	80229
880-43219-16	T-3 (0-1')	Total/NA	Solid	8015B NM	80229
880-43219-17	T-3 (1.5')	Total/NA	Solid	8015B NM	80229
880-43219-18	T-3 (2.0')	Total/NA	Solid	8015B NM	80229
880-43219-19	T-3 (3.0')	Total/NA	Solid	8015B NM	80229
880-43219-20	T-3 (4.0')	Total/NA	Solid	8015B NM	80229
MB 880-80229/1-A	Method Blank	Total/NA	Solid	8015B NM	80229
LCS 880-80229/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80229
LCSD 880-80229/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80229
880-43219-15 MS	T-2 (8.0')	Total/NA	Solid	8015B NM	80229
880-43219-15 MSD	T-2 (8.0')	Total/NA	Solid	8015B NM	80229

Analysis Batch: 80220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-21	T-3 (5.0')	Total/NA	Solid	8015B NM	80231
880-43219-22	T-4 (0-1')	Total/NA	Solid	8015B NM	80231
880-43219-23	T-4 (1.5')	Total/NA	Solid	8015B NM	80231
880-43219-24	T-4 (2.0')	Total/NA	Solid	8015B NM	80231
880-43219-25	T-4 (3.0')	Total/NA	Solid	8015B NM	80231
880-43219-26	T-4 (4.0')	Total/NA	Solid	8015B NM	80231
880-43219-27	T-5 (0-1')	Total/NA	Solid	8015B NM	80231
880-43219-28	T-5 (1.5')	Total/NA	Solid	8015B NM	80231
880-43219-29	T-5 (2.0')	Total/NA	Solid	8015B NM	80231
880-43219-30	T-5 (3.0')	Total/NA	Solid	8015B NM	80231
880-43219-31	T-5 (4.0')	Total/NA	Solid	8015B NM	80231
880-43219-32	T-6 (0-1')	Total/NA	Solid	8015B NM	80231
880-43219-33	T-6 (1.5')	Total/NA	Solid	8015B NM	80231
880-43219-34	T-6 (2.0')	Total/NA	Solid	8015B NM	80231
880-43219-35	T-6 (3.0')	Total/NA	Solid	8015B NM	80231
880-43219-36	T-6 (4.0')	Total/NA	Solid	8015B NM	80231
880-43219-37	T-6 (5.0')	Total/NA	Solid	8015B NM	80231
880-43219-38	T-7 (0-1')	Total/NA	Solid	8015B NM	80231
880-43219-39	T-7 (1.5')	Total/NA	Solid	8015B NM	80231
880-43219-40	T-7 (2.0')	Total/NA	Solid	8015B NM	80231
MB 880-80231/1-A	Method Blank	Total/NA	Solid	8015B NM	80231
LCS 880-80231/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80231
LCSD 880-80231/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80231

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 80220 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-21 MS	T-3 (5.0')	Total/NA	Solid	8015B NM	80231
880-43219-21 MSD	T-3 (5.0')	Total/NA	Solid	8015B NM	80231

Prep Batch: 80229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-43219-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-43219-3	T-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-43219-4	T-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-43219-5	T-1 (4.0')	Total/NA	Solid	8015NM Prep	
880-43219-6	T-1 (5.0')	Total/NA	Solid	8015NM Prep	
880-43219-7	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-43219-8	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-43219-9	T-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-43219-10	T-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-43219-11	T-2 (4.0')	Total/NA	Solid	8015NM Prep	
880-43219-12	T-2 (5.0')	Total/NA	Solid	8015NM Prep	
880-43219-13	T-2 (6.0')	Total/NA	Solid	8015NM Prep	
880-43219-14	T-2 (7.0')	Total/NA	Solid	8015NM Prep	
880-43219-15	T-2 (8.0')	Total/NA	Solid	8015NM Prep	
880-43219-16	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-43219-17	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-43219-18	T-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-43219-19	T-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-43219-20	T-3 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-80229/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80229/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80229/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43219-15 MS	T-2 (8.0')	Total/NA	Solid	8015NM Prep	
880-43219-15 MSD	T-2 (8.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 80231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-21	T-3 (5.0')	Total/NA	Solid	8015NM Prep	
880-43219-22	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-43219-23	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-43219-24	T-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-43219-25	T-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-43219-26	T-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-43219-27	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-43219-28	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-43219-29	T-5 (2.0')	Total/NA	Solid	8015NM Prep	
880-43219-30	T-5 (3.0')	Total/NA	Solid	8015NM Prep	
880-43219-31	T-5 (4.0')	Total/NA	Solid	8015NM Prep	
880-43219-32	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-43219-33	T-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-43219-34	T-6 (2.0')	Total/NA	Solid	8015NM Prep	
880-43219-35	T-6 (3.0')	Total/NA	Solid	8015NM Prep	
880-43219-36	T-6 (4.0')	Total/NA	Solid	8015NM Prep	
880-43219-37	T-6 (5.0')	Total/NA	Solid	8015NM Prep	
880-43219-38	T-7 (0-1')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 80231 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-39	T-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-43219-40	T-7 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-80231/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80231/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80231/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43219-21 MS	T-3 (5.0')	Total/NA	Solid	8015NM Prep	
880-43219-21 MSD	T-3 (5.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 80233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-41	T-7 (3.0')	Total/NA	Solid	8015NM Prep	
880-43219-42	T-7 (4.0')	Total/NA	Solid	8015NM Prep	
880-43219-43	T-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-43219-44	T-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-43219-45	T-8 (2.0')	Total/NA	Solid	8015NM Prep	
880-43219-46	T-8 (3.0')	Total/NA	Solid	8015NM Prep	
880-43219-47	T-8 (4.0')	Total/NA	Solid	8015NM Prep	
880-43219-48	T-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-43219-49	T-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-43219-50	T-9 (2.0')	Total/NA	Solid	8015NM Prep	
880-43219-51	T-9 (3.0')	Total/NA	Solid	8015NM Prep	
880-43219-52	T-9 (4.0')	Total/NA	Solid	8015NM Prep	
880-43219-53	T-9 (5.0')	Total/NA	Solid	8015NM Prep	
880-43219-54	T-9 (6.0')	Total/NA	Solid	8015NM Prep	
880-43219-55	T-9 (7.0')	Total/NA	Solid	8015NM Prep	
880-43219-56	T-9 (8.0')	Total/NA	Solid	8015NM Prep	
880-43219-57	T-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-43219-58	T-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-43219-59	T-10 (2.0')	Total/NA	Solid	8015NM Prep	
880-43219-60	T-10 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-80233/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80233/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80233/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43219-41 MS	T-7 (3.0')	Total/NA	Solid	8015NM Prep	
880-43219-41 MSD	T-7 (3.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 80235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-61	T-10 (4.0')	Total/NA	Solid	8015NM Prep	
880-43219-62	T-10 (5.0')	Total/NA	Solid	8015NM Prep	
880-43219-63	T-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-43219-64	T-11 (2.0')	Total/NA	Solid	8015NM Prep	
880-43219-65	T-11 (3.0')	Total/NA	Solid	8015NM Prep	
880-43219-66	T-11 (4.0')	Total/NA	Solid	8015NM Prep	
880-43219-67	T-11 (5.0')	Total/NA	Solid	8015NM Prep	
880-43219-68	T-11 (6.0')	Total/NA	Solid	8015NM Prep	
880-43219-69	T-11 (7.0')	Total/NA	Solid	8015NM Prep	
880-43219-70	T-11 (8.0')	Total/NA	Solid	8015NM Prep	
880-43219-71	T-11 (9.0')	Total/NA	Solid	8015NM Prep	
880-43219-72	T-11 (10.0')	Total/NA	Solid	8015NM Prep	
880-43219-73	T-11 (11.0')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 80235 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-80235/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80235/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80235/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43219-62 MS	T-10 (5.0')	Total/NA	Solid	8015NM Prep	
880-43219-62 MSD	T-10 (5.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 80312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-41	T-7 (3.0')	Total/NA	Solid	8015B NM	80233
880-43219-42	T-7 (4.0')	Total/NA	Solid	8015B NM	80233
880-43219-43	T-8 (0-1')	Total/NA	Solid	8015B NM	80233
880-43219-44	T-8 (1.5')	Total/NA	Solid	8015B NM	80233
880-43219-45	T-8 (2.0')	Total/NA	Solid	8015B NM	80233
880-43219-46	T-8 (3.0')	Total/NA	Solid	8015B NM	80233
880-43219-47	T-8 (4.0')	Total/NA	Solid	8015B NM	80233
880-43219-48	T-9 (0-1')	Total/NA	Solid	8015B NM	80233
880-43219-49	T-9 (1.5')	Total/NA	Solid	8015B NM	80233
880-43219-50	T-9 (2.0')	Total/NA	Solid	8015B NM	80233
880-43219-51	T-9 (3.0')	Total/NA	Solid	8015B NM	80233
880-43219-52	T-9 (4.0')	Total/NA	Solid	8015B NM	80233
880-43219-53	T-9 (5.0')	Total/NA	Solid	8015B NM	80233
880-43219-54	T-9 (6.0')	Total/NA	Solid	8015B NM	80233
880-43219-55	T-9 (7.0')	Total/NA	Solid	8015B NM	80233
880-43219-56	T-9 (8.0')	Total/NA	Solid	8015B NM	80233
880-43219-57	T-10 (0-1')	Total/NA	Solid	8015B NM	80233
880-43219-58	T-10 (1.5')	Total/NA	Solid	8015B NM	80233
880-43219-59	T-10 (2.0')	Total/NA	Solid	8015B NM	80233
880-43219-60	T-10 (3.0')	Total/NA	Solid	8015B NM	80233
MB 880-80233/1-A	Method Blank	Total/NA	Solid	8015B NM	80233
LCS 880-80233/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80233
LCSD 880-80233/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80233
880-43219-41 MS	T-7 (3.0')	Total/NA	Solid	8015B NM	80233
880-43219-41 MSD	T-7 (3.0')	Total/NA	Solid	8015B NM	80233

Analysis Batch: 80314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-61	T-10 (4.0')	Total/NA	Solid	8015B NM	80235
880-43219-62	T-10 (5.0')	Total/NA	Solid	8015B NM	80235
880-43219-63	T-11 (0-1')	Total/NA	Solid	8015B NM	80235
880-43219-64	T-11 (2.0')	Total/NA	Solid	8015B NM	80235
880-43219-65	T-11 (3.0')	Total/NA	Solid	8015B NM	80235
880-43219-66	T-11 (4.0')	Total/NA	Solid	8015B NM	80235
880-43219-67	T-11 (5.0')	Total/NA	Solid	8015B NM	80235
880-43219-68	T-11 (6.0')	Total/NA	Solid	8015B NM	80235
880-43219-69	T-11 (7.0')	Total/NA	Solid	8015B NM	80235
880-43219-70	T-11 (8.0')	Total/NA	Solid	8015B NM	80235
880-43219-71	T-11 (9.0')	Total/NA	Solid	8015B NM	80235
880-43219-72	T-11 (10.0')	Total/NA	Solid	8015B NM	80235
880-43219-73	T-11 (11.0')	Total/NA	Solid	8015B NM	80235
MB 880-80235/1-A	Method Blank	Total/NA	Solid	8015B NM	80235
LCS 880-80235/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80235

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 80314 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-80235/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80235
880-43219-62 MS	T-10 (5.0')	Total/NA	Solid	8015B NM	80235
880-43219-62 MSD	T-10 (5.0')	Total/NA	Solid	8015B NM	80235

Analysis Batch: 80338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-43219-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-43219-3	T-1 (2.0')	Total/NA	Solid	8015 NM	
880-43219-4	T-1 (3.0')	Total/NA	Solid	8015 NM	
880-43219-5	T-1 (4.0')	Total/NA	Solid	8015 NM	
880-43219-6	T-1 (5.0')	Total/NA	Solid	8015 NM	
880-43219-7	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-43219-8	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-43219-9	T-2 (2.0')	Total/NA	Solid	8015 NM	
880-43219-10	T-2 (3.0')	Total/NA	Solid	8015 NM	
880-43219-11	T-2 (4.0')	Total/NA	Solid	8015 NM	
880-43219-12	T-2 (5.0')	Total/NA	Solid	8015 NM	
880-43219-13	T-2 (6.0')	Total/NA	Solid	8015 NM	
880-43219-14	T-2 (7.0')	Total/NA	Solid	8015 NM	
880-43219-15	T-2 (8.0')	Total/NA	Solid	8015 NM	
880-43219-16	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-43219-17	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-43219-18	T-3 (2.0')	Total/NA	Solid	8015 NM	
880-43219-19	T-3 (3.0')	Total/NA	Solid	8015 NM	
880-43219-20	T-3 (4.0')	Total/NA	Solid	8015 NM	
880-43219-21	T-3 (5.0')	Total/NA	Solid	8015 NM	
880-43219-22	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-43219-23	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-43219-24	T-4 (2.0')	Total/NA	Solid	8015 NM	
880-43219-25	T-4 (3.0')	Total/NA	Solid	8015 NM	
880-43219-26	T-4 (4.0')	Total/NA	Solid	8015 NM	
880-43219-27	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-43219-28	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-43219-29	T-5 (2.0')	Total/NA	Solid	8015 NM	
880-43219-30	T-5 (3.0')	Total/NA	Solid	8015 NM	
880-43219-31	T-5 (4.0')	Total/NA	Solid	8015 NM	
880-43219-32	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-43219-33	T-6 (1.5')	Total/NA	Solid	8015 NM	
880-43219-34	T-6 (2.0')	Total/NA	Solid	8015 NM	
880-43219-35	T-6 (3.0')	Total/NA	Solid	8015 NM	
880-43219-36	T-6 (4.0')	Total/NA	Solid	8015 NM	
880-43219-37	T-6 (5.0')	Total/NA	Solid	8015 NM	
880-43219-38	T-7 (0-1')	Total/NA	Solid	8015 NM	
880-43219-39	T-7 (1.5')	Total/NA	Solid	8015 NM	
880-43219-40	T-7 (2.0')	Total/NA	Solid	8015 NM	
880-43219-41	T-7 (3.0')	Total/NA	Solid	8015 NM	
880-43219-42	T-7 (4.0')	Total/NA	Solid	8015 NM	
880-43219-43	T-8 (0-1')	Total/NA	Solid	8015 NM	
880-43219-44	T-8 (1.5')	Total/NA	Solid	8015 NM	
880-43219-45	T-8 (2.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 80338 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-46	T-8 (3.0')	Total/NA	Solid	8015 NM	
880-43219-47	T-8 (4.0')	Total/NA	Solid	8015 NM	
880-43219-48	T-9 (0-1')	Total/NA	Solid	8015 NM	
880-43219-49	T-9 (1.5')	Total/NA	Solid	8015 NM	
880-43219-50	T-9 (2.0')	Total/NA	Solid	8015 NM	
880-43219-51	T-9 (3.0')	Total/NA	Solid	8015 NM	
880-43219-52	T-9 (4.0')	Total/NA	Solid	8015 NM	
880-43219-53	T-9 (5.0')	Total/NA	Solid	8015 NM	
880-43219-54	T-9 (6.0')	Total/NA	Solid	8015 NM	
880-43219-55	T-9 (7.0')	Total/NA	Solid	8015 NM	
880-43219-56	T-9 (8.0')	Total/NA	Solid	8015 NM	
880-43219-57	T-10 (0-1')	Total/NA	Solid	8015 NM	
880-43219-58	T-10 (1.5')	Total/NA	Solid	8015 NM	
880-43219-59	T-10 (2.0')	Total/NA	Solid	8015 NM	
880-43219-60	T-10 (3.0')	Total/NA	Solid	8015 NM	
880-43219-61	T-10 (4.0')	Total/NA	Solid	8015 NM	
880-43219-62	T-10 (5.0')	Total/NA	Solid	8015 NM	
880-43219-63	T-11 (0-1')	Total/NA	Solid	8015 NM	
880-43219-64	T-11 (2.0')	Total/NA	Solid	8015 NM	
880-43219-65	T-11 (3.0')	Total/NA	Solid	8015 NM	
880-43219-66	T-11 (4.0')	Total/NA	Solid	8015 NM	
880-43219-67	T-11 (5.0')	Total/NA	Solid	8015 NM	
880-43219-68	T-11 (6.0')	Total/NA	Solid	8015 NM	
880-43219-69	T-11 (7.0')	Total/NA	Solid	8015 NM	
880-43219-70	T-11 (8.0')	Total/NA	Solid	8015 NM	
880-43219-71	T-11 (9.0')	Total/NA	Solid	8015 NM	
880-43219-72	T-11 (10.0')	Total/NA	Solid	8015 NM	
880-43219-73	T-11 (11.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 80232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-43219-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-43219-3	T-1 (2.0')	Soluble	Solid	DI Leach	
880-43219-4	T-1 (3.0')	Soluble	Solid	DI Leach	
880-43219-5	T-1 (4.0')	Soluble	Solid	DI Leach	
880-43219-6	T-1 (5.0')	Soluble	Solid	DI Leach	
880-43219-7	T-2 (0-1')	Soluble	Solid	DI Leach	
880-43219-8	T-2 (1.5')	Soluble	Solid	DI Leach	
880-43219-9	T-2 (2.0')	Soluble	Solid	DI Leach	
880-43219-10	T-2 (3.0')	Soluble	Solid	DI Leach	
880-43219-11	T-2 (4.0')	Soluble	Solid	DI Leach	
880-43219-12	T-2 (5.0')	Soluble	Solid	DI Leach	
880-43219-13	T-2 (6.0')	Soluble	Solid	DI Leach	
880-43219-14	T-2 (7.0')	Soluble	Solid	DI Leach	
880-43219-15	T-2 (8.0')	Soluble	Solid	DI Leach	
880-43219-16	T-3 (0-1')	Soluble	Solid	DI Leach	
880-43219-17	T-3 (1.5')	Soluble	Solid	DI Leach	
880-43219-18	T-3 (2.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 80232 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-19	T-3 (3.0')	Soluble	Solid	DI Leach	
880-43219-20	T-3 (4.0')	Soluble	Solid	DI Leach	
MB 880-80232/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80232/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80232/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43219-1 MS	T-1 (0-1')	Soluble	Solid	DI Leach	
880-43219-1 MSD	T-1 (0-1')	Soluble	Solid	DI Leach	
880-43219-11 MS	T-2 (4.0')	Soluble	Solid	DI Leach	
880-43219-11 MSD	T-2 (4.0')	Soluble	Solid	DI Leach	

Leach Batch: 80234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-21	T-3 (5.0')	Soluble	Solid	DI Leach	
880-43219-22	T-4 (0-1')	Soluble	Solid	DI Leach	
880-43219-23	T-4 (1.5')	Soluble	Solid	DI Leach	
880-43219-24	T-4 (2.0')	Soluble	Solid	DI Leach	
880-43219-25	T-4 (3.0')	Soluble	Solid	DI Leach	
880-43219-26	T-4 (4.0')	Soluble	Solid	DI Leach	
880-43219-27	T-5 (0-1')	Soluble	Solid	DI Leach	
880-43219-28	T-5 (1.5')	Soluble	Solid	DI Leach	
880-43219-29	T-5 (2.0')	Soluble	Solid	DI Leach	
880-43219-30	T-5 (3.0')	Soluble	Solid	DI Leach	
880-43219-31	T-5 (4.0')	Soluble	Solid	DI Leach	
880-43219-32	T-6 (0-1')	Soluble	Solid	DI Leach	
880-43219-33	T-6 (1.5')	Soluble	Solid	DI Leach	
880-43219-34	T-6 (2.0')	Soluble	Solid	DI Leach	
880-43219-35	T-6 (3.0')	Soluble	Solid	DI Leach	
880-43219-36	T-6 (4.0')	Soluble	Solid	DI Leach	
880-43219-37	T-6 (5.0')	Soluble	Solid	DI Leach	
880-43219-38	T-7 (0-1')	Soluble	Solid	DI Leach	
880-43219-39	T-7 (1.5')	Soluble	Solid	DI Leach	
880-43219-40	T-7 (2.0')	Soluble	Solid	DI Leach	
MB 880-80234/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80234/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80234/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43219-21 MS	T-3 (5.0')	Soluble	Solid	DI Leach	
880-43219-21 MSD	T-3 (5.0')	Soluble	Solid	DI Leach	
880-43219-31 MS	T-5 (4.0')	Soluble	Solid	DI Leach	
880-43219-31 MSD	T-5 (4.0')	Soluble	Solid	DI Leach	

Leach Batch: 80236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-41	T-7 (3.0')	Soluble	Solid	DI Leach	
880-43219-42	T-7 (4.0')	Soluble	Solid	DI Leach	
880-43219-43	T-8 (0-1')	Soluble	Solid	DI Leach	
880-43219-44	T-8 (1.5')	Soluble	Solid	DI Leach	
880-43219-45	T-8 (2.0')	Soluble	Solid	DI Leach	
880-43219-46	T-8 (3.0')	Soluble	Solid	DI Leach	
880-43219-47	T-8 (4.0')	Soluble	Solid	DI Leach	
880-43219-48	T-9 (0-1')	Soluble	Solid	DI Leach	
880-43219-49	T-9 (1.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 80236 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-50	T-9 (2.0')	Soluble	Solid	DI Leach	
880-43219-51	T-9 (3.0')	Soluble	Solid	DI Leach	
880-43219-52	T-9 (4.0')	Soluble	Solid	DI Leach	
880-43219-53	T-9 (5.0')	Soluble	Solid	DI Leach	
880-43219-54	T-9 (6.0')	Soluble	Solid	DI Leach	
880-43219-55	T-9 (7.0')	Soluble	Solid	DI Leach	
880-43219-56	T-9 (8.0')	Soluble	Solid	DI Leach	
880-43219-57	T-10 (0-1')	Soluble	Solid	DI Leach	
880-43219-58	T-10 (1.5')	Soluble	Solid	DI Leach	
880-43219-59	T-10 (2.0')	Soluble	Solid	DI Leach	
880-43219-60	T-10 (3.0')	Soluble	Solid	DI Leach	
MB 880-80236/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80236/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80236/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43219-41 MS	T-7 (3.0')	Soluble	Solid	DI Leach	
880-43219-41 MSD	T-7 (3.0')	Soluble	Solid	DI Leach	
880-43219-51 MS	T-9 (3.0')	Soluble	Solid	DI Leach	
880-43219-51 MSD	T-9 (3.0')	Soluble	Solid	DI Leach	

Leach Batch: 80237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-61	T-10 (4.0')	Soluble	Solid	DI Leach	
880-43219-62	T-10 (5.0')	Soluble	Solid	DI Leach	
880-43219-63	T-11 (0-1')	Soluble	Solid	DI Leach	
880-43219-64	T-11 (2.0')	Soluble	Solid	DI Leach	
880-43219-65	T-11 (3.0')	Soluble	Solid	DI Leach	
880-43219-66	T-11 (4.0')	Soluble	Solid	DI Leach	
880-43219-67	T-11 (5.0')	Soluble	Solid	DI Leach	
880-43219-68	T-11 (6.0')	Soluble	Solid	DI Leach	
880-43219-69	T-11 (7.0')	Soluble	Solid	DI Leach	
880-43219-70	T-11 (8.0')	Soluble	Solid	DI Leach	
880-43219-71	T-11 (9.0')	Soluble	Solid	DI Leach	
880-43219-72	T-11 (10.0')	Soluble	Solid	DI Leach	
880-43219-73	T-11 (11.0')	Soluble	Solid	DI Leach	
MB 880-80237/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80237/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80237/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43219-61 MS	T-10 (4.0')	Soluble	Solid	DI Leach	
880-43219-61 MSD	T-10 (4.0')	Soluble	Solid	DI Leach	
880-43219-71 MS	T-11 (9.0')	Soluble	Solid	DI Leach	
880-43219-71 MSD	T-11 (9.0')	Soluble	Solid	DI Leach	

Analysis Batch: 80252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-1	T-1 (0-1')	Soluble	Solid	300.0	80232
880-43219-2	T-1 (1.5')	Soluble	Solid	300.0	80232
880-43219-3	T-1 (2.0')	Soluble	Solid	300.0	80232
880-43219-4	T-1 (3.0')	Soluble	Solid	300.0	80232
880-43219-5	T-1 (4.0')	Soluble	Solid	300.0	80232
880-43219-6	T-1 (5.0')	Soluble	Solid	300.0	80232
880-43219-7	T-2 (0-1')	Soluble	Solid	300.0	80232

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 80252 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-8	T-2 (1.5')	Soluble	Solid	300.0	80232
880-43219-9	T-2 (2.0')	Soluble	Solid	300.0	80232
880-43219-10	T-2 (3.0')	Soluble	Solid	300.0	80232
880-43219-11	T-2 (4.0')	Soluble	Solid	300.0	80232
880-43219-12	T-2 (5.0')	Soluble	Solid	300.0	80232
880-43219-13	T-2 (6.0')	Soluble	Solid	300.0	80232
880-43219-14	T-2 (7.0')	Soluble	Solid	300.0	80232
880-43219-15	T-2 (8.0')	Soluble	Solid	300.0	80232
880-43219-16	T-3 (0-1')	Soluble	Solid	300.0	80232
880-43219-17	T-3 (1.5')	Soluble	Solid	300.0	80232
880-43219-18	T-3 (2.0')	Soluble	Solid	300.0	80232
880-43219-19	T-3 (3.0')	Soluble	Solid	300.0	80232
880-43219-20	T-3 (4.0')	Soluble	Solid	300.0	80232
MB 880-80232/1-A	Method Blank	Soluble	Solid	300.0	80232
LCS 880-80232/2-A	Lab Control Sample	Soluble	Solid	300.0	80232
LCSD 880-80232/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80232
880-43219-1 MS	T-1 (0-1')	Soluble	Solid	300.0	80232
880-43219-1 MSD	T-1 (0-1')	Soluble	Solid	300.0	80232
880-43219-11 MS	T-2 (4.0')	Soluble	Solid	300.0	80232
880-43219-11 MSD	T-2 (4.0')	Soluble	Solid	300.0	80232

Analysis Batch: 80257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-21	T-3 (5.0')	Soluble	Solid	300.0	80234
880-43219-22	T-4 (0-1')	Soluble	Solid	300.0	80234
880-43219-23	T-4 (1.5')	Soluble	Solid	300.0	80234
880-43219-24	T-4 (2.0')	Soluble	Solid	300.0	80234
880-43219-25	T-4 (3.0')	Soluble	Solid	300.0	80234
880-43219-26	T-4 (4.0')	Soluble	Solid	300.0	80234
880-43219-27	T-5 (0-1')	Soluble	Solid	300.0	80234
880-43219-28	T-5 (1.5')	Soluble	Solid	300.0	80234
880-43219-29	T-5 (2.0')	Soluble	Solid	300.0	80234
880-43219-30	T-5 (3.0')	Soluble	Solid	300.0	80234
880-43219-31	T-5 (4.0')	Soluble	Solid	300.0	80234
880-43219-32	T-6 (0-1')	Soluble	Solid	300.0	80234
880-43219-33	T-6 (1.5')	Soluble	Solid	300.0	80234
880-43219-34	T-6 (2.0')	Soluble	Solid	300.0	80234
880-43219-35	T-6 (3.0')	Soluble	Solid	300.0	80234
880-43219-36	T-6 (4.0')	Soluble	Solid	300.0	80234
880-43219-37	T-6 (5.0')	Soluble	Solid	300.0	80234
880-43219-38	T-7 (0-1')	Soluble	Solid	300.0	80234
880-43219-39	T-7 (1.5')	Soluble	Solid	300.0	80234
880-43219-40	T-7 (2.0')	Soluble	Solid	300.0	80234
MB 880-80234/1-A	Method Blank	Soluble	Solid	300.0	80234
LCS 880-80234/2-A	Lab Control Sample	Soluble	Solid	300.0	80234
LCSD 880-80234/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80234
880-43219-21 MS	T-3 (5.0')	Soluble	Solid	300.0	80234
880-43219-21 MSD	T-3 (5.0')	Soluble	Solid	300.0	80234
880-43219-31 MS	T-5 (4.0')	Soluble	Solid	300.0	80234
880-43219-31 MSD	T-5 (4.0')	Soluble	Solid	300.0	80234

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

HPLC/IC

Analysis Batch: 80260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-41	T-7 (3.0')	Soluble	Solid	300.0	80236
880-43219-42	T-7 (4.0')	Soluble	Solid	300.0	80236
880-43219-43	T-8 (0-1')	Soluble	Solid	300.0	80236
880-43219-44	T-8 (1.5')	Soluble	Solid	300.0	80236
880-43219-45	T-8 (2.0')	Soluble	Solid	300.0	80236
880-43219-46	T-8 (3.0')	Soluble	Solid	300.0	80236
880-43219-47	T-8 (4.0')	Soluble	Solid	300.0	80236
880-43219-48	T-9 (0-1')	Soluble	Solid	300.0	80236
880-43219-49	T-9 (1.5')	Soluble	Solid	300.0	80236
880-43219-50	T-9 (2.0')	Soluble	Solid	300.0	80236
880-43219-51	T-9 (3.0')	Soluble	Solid	300.0	80236
880-43219-52	T-9 (4.0')	Soluble	Solid	300.0	80236
880-43219-53	T-9 (5.0')	Soluble	Solid	300.0	80236
880-43219-54	T-9 (6.0')	Soluble	Solid	300.0	80236
880-43219-55	T-9 (7.0')	Soluble	Solid	300.0	80236
880-43219-56	T-9 (8.0')	Soluble	Solid	300.0	80236
880-43219-57	T-10 (0-1')	Soluble	Solid	300.0	80236
880-43219-58	T-10 (1.5')	Soluble	Solid	300.0	80236
880-43219-59	T-10 (2.0')	Soluble	Solid	300.0	80236
880-43219-60	T-10 (3.0')	Soluble	Solid	300.0	80236
MB 880-80236/1-A	Method Blank	Soluble	Solid	300.0	80236
LCS 880-80236/2-A	Lab Control Sample	Soluble	Solid	300.0	80236
LCSD 880-80236/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80236
880-43219-41 MS	T-7 (3.0')	Soluble	Solid	300.0	80236
880-43219-41 MSD	T-7 (3.0')	Soluble	Solid	300.0	80236
880-43219-51 MS	T-9 (3.0')	Soluble	Solid	300.0	80236
880-43219-51 MSD	T-9 (3.0')	Soluble	Solid	300.0	80236

Analysis Batch: 80267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43219-61	T-10 (4.0')	Soluble	Solid	300.0	80237
880-43219-62	T-10 (5.0')	Soluble	Solid	300.0	80237
880-43219-63	T-11 (0-1')	Soluble	Solid	300.0	80237
880-43219-64	T-11 (2.0')	Soluble	Solid	300.0	80237
880-43219-65	T-11 (3.0')	Soluble	Solid	300.0	80237
880-43219-66	T-11 (4.0')	Soluble	Solid	300.0	80237
880-43219-67	T-11 (5.0')	Soluble	Solid	300.0	80237
880-43219-68	T-11 (6.0')	Soluble	Solid	300.0	80237
880-43219-69	T-11 (7.0')	Soluble	Solid	300.0	80237
880-43219-70	T-11 (8.0')	Soluble	Solid	300.0	80237
880-43219-71	T-11 (9.0')	Soluble	Solid	300.0	80237
880-43219-72	T-11 (10.0')	Soluble	Solid	300.0	80237
880-43219-73	T-11 (11.0')	Soluble	Solid	300.0	80237
MB 880-80237/1-A	Method Blank	Soluble	Solid	300.0	80237
LCS 880-80237/2-A	Lab Control Sample	Soluble	Solid	300.0	80237
LCSD 880-80237/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80237
880-43219-61 MS	T-10 (4.0')	Soluble	Solid	300.0	80237
880-43219-61 MSD	T-10 (4.0')	Soluble	Solid	300.0	80237
880-43219-71 MS	T-11 (9.0')	Soluble	Solid	300.0	80237
880-43219-71 MSD	T-11 (9.0')	Soluble	Solid	300.0	80237

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	80209	05/08/24 11:35	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	80327	05/09/24 08:53	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80320	05/09/24 12:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 12:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 00:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 00:27	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 12:12	SMC	EET MID

Client Sample ID: T-1 (1.5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80209	05/08/24 11:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 11:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 00:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 00:47	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 12:30	SMC	EET MID

Client Sample ID: T-1 (2.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-3
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	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80209	05/08/24 12:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 12:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 01:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 01:08	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 12:36	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-1 (3.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-4
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			5.03 g	5 mL	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80209	05/08/24 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 12:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 01:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 01:28	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 12:43	SMC	EET MID

Client Sample ID: T-1 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80209	05/08/24 12:57	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	80327	05/09/24 08:53	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80320	05/09/24 12:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 12:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 01:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 01:48	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 12:49	SMC	EET MID

Client Sample ID: T-1 (5.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-6
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			5.03 g	5 mL	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	80209	05/08/24 13:18	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	80327	05/09/24 08:53	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	80320	05/09/24 12:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/08/24 23:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80218	05/08/24 23:06	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 13:07	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: 880-43219-7
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80209	05/08/24 13:38	MNR	EET MID
Total/NA	Prep	5035			4.95 g	5 mL	80327	05/09/24 08:53	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80320	05/09/24 13:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 13:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 02:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 02:29	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 13:13	SMC	EET MID

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-43219-8
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80209	05/08/24 13:59	MNR	EET MID
Total/NA	Prep	5035			4.98 g	5 mL	80369	05/09/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80320	05/10/24 09:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/10/24 09:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 02:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 02:49	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 13:19	SMC	EET MID

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-43219-9
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80209	05/08/24 14:19	MNR	EET MID
Total/NA	Prep	5035			4.96 g	5 mL	80369	05/09/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80320	05/10/24 09:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/10/24 09:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 03:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 03:10	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 13:26	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-43219-10
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80209	05/08/24 14:40	MNR	EET MID
Total/NA	Prep	5035			4.98 g	5 mL	80327	05/09/24 08:53	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80320	05/09/24 14:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 03:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 03:30	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 13:32	SMC	EET MID

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-43219-11
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80209	05/08/24 16:34	MNR	EET MID
Total/NA	Prep	5035			4.96 g	5 mL	80327	05/09/24 08:53	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80320	05/09/24 14:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 14:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 03:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 03:51	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 13:38	SMC	EET MID

Client Sample ID: T-2 (5.0')

Lab Sample ID: 880-43219-12
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80209	05/08/24 16:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 16:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/08/24 23:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80218	05/08/24 23:27	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 13:56	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-2 (6.0')

Lab Sample ID: 880-43219-13
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80209	05/08/24 17:15	MNR	EET MID
Total/NA	Prep	5035			4.98 g	5 mL	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80323	05/09/24 12:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 12:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 04:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 04:11	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 14:02	SMC	EET MID

Client Sample ID: T-2 (7.0')

Lab Sample ID: 880-43219-14
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80209	05/08/24 17:36	MNR	EET MID
Total/NA	Prep	5035			4.95 g	5 mL	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80323	05/09/24 12:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 04:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 04:31	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 14:21	SMC	EET MID

Client Sample ID: T-2 (8.0')

Lab Sample ID: 880-43219-15
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	80209	05/08/24 16:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 16:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/08/24 22:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80218	05/08/24 22:05	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 14:27	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Lab Sample ID: 880-43219-16
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	80209	05/08/24 17:56	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80323	05/09/24 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 12:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 04:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 04:52	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 14:33	SMC	EET MID

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-43219-17
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	80209	05/08/24 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 18:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 05:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 05:13	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 14:39	SMC	EET MID

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-43219-18
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	80209	05/08/24 18:37	MNR	EET MID
Total/NA	Prep	5035			5.00 g	5 mL	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	80323	05/09/24 13:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 13:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 05:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80218	05/09/24 05:33	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 14:46	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-3 (3.0')

Lab Sample ID: 880-43219-19
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	80209	05/08/24 18:58	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80323	05/09/24 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 13:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/08/24 23:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80218	05/08/24 23:47	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 14:52	SMC	EET MID

Client Sample ID: T-3 (4.0')

Lab Sample ID: 880-43219-20
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80224	05/08/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	80209	05/08/24 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 19:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 00:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80229	05/08/24 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80218	05/09/24 00:07	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80232	05/08/24 09:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80252	05/08/24 14:58	SMC	EET MID

Client Sample ID: T-3 (5.0')

Lab Sample ID: 880-43219-21
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80208	05/08/24 11:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/08/24 22:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80220	05/08/24 22:05	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 14:45	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-4 (0-1')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80208	05/08/24 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 14:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 03:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80220	05/09/24 03:30	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 15:04	SMC	EET MID

Client Sample ID: T-4 (1.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80208	05/08/24 11:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/08/24 23:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80220	05/08/24 23:06	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 15:11	SMC	EET MID

Client Sample ID: T-4 (2.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-24
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			5.03 g	5 mL	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80208	05/08/24 12:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 12:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/08/24 23:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80220	05/08/24 23:27	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 15:17	SMC	EET MID

Client Sample ID: T-4 (3.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80208	05/08/24 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 12:25	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-4 (3.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			80338	05/08/24 23:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80220	05/08/24 23:47	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 15:23	SMC	EET MID

Client Sample ID: T-4 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-26
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			5.03 g	5 mL	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80208	05/08/24 12:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 12:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 00:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80220	05/09/24 00:07	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 15:42	SMC	EET MID

Client Sample ID: T-5 (0-1')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-27
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			5.00 g	5 mL	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80208	05/08/24 14:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 14:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 03:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80220	05/09/24 03:51	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 15:49	SMC	EET MID

Client Sample ID: T-5 (1.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-28
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			4.99 g	5 mL	80328	05/09/24 08:57	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80319	05/09/24 12:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 12:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 00:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80220	05/09/24 00:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-5 (1.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-28
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	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 15:55	SMC	EET MID

Client Sample ID: T-5 (2.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-29
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			4.96 g	5 mL	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80208	05/08/24 13:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 13:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 00:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80220	05/09/24 00:47	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 16:33	SMC	EET MID

Client Sample ID: T-5 (3.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-30
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			5.01 g	5 mL	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80208	05/08/24 13:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 13:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 01:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80220	05/09/24 01:08	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 16:40	SMC	EET MID

Client Sample ID: T-5 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80208	05/08/24 15:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 15:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 01:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80220	05/09/24 01:28	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 16:46	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-43219-32
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	80208	05/08/24 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 17:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 04:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	80220	05/09/24 04:11	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 17:05	SMC	EET MID

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-43219-33
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80208	05/08/24 17:59	MNR	EET MID
Total/NA	Prep	5035			4.95 g	5 mL	80328	05/09/24 08:57	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	80319	05/09/24 13:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 13:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 04:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80220	05/09/24 04:31	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 17:11	SMC	EET MID

Client Sample ID: T-6 (2.0')

Lab Sample ID: 880-43219-34
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	80208	05/08/24 18:19	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	80328	05/09/24 08:57	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	80319	05/09/24 13:34	MNR	EET MID
Total/NA	Prep	5035			4.98 g	5 mL	80327	05/09/24 08:53	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80320	05/09/24 16:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 16:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 04:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80220	05/09/24 04:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 17:30	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-6 (3.0')

Lab Sample ID: 880-43219-35
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80208	05/08/24 16:15	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	80328	05/09/24 08:57	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80319	05/09/24 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 17:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 01:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80220	05/09/24 01:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 17:37	SMC	EET MID

Client Sample ID: T-6 (4.0')

Lab Sample ID: 880-43219-36
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80208	05/08/24 16:36	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	80328	05/09/24 08:57	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	80319	05/09/24 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 12:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 02:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80220	05/09/24 02:29	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 17:43	SMC	EET MID

Client Sample ID: T-6 (5.0')

Lab Sample ID: 880-43219-37
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80208	05/08/24 16:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 02:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80220	05/09/24 02:49	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 17:49	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-43219-38
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	80208	05/08/24 18:40	MNR	EET MID
Total/NA	Prep	5035			5.00 g	5 mL	80328	05/09/24 08:57	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80319	05/09/24 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 14:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 05:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80220	05/09/24 05:13	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 17:55	SMC	EET MID

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-43219-39
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80208	05/08/24 19:01	MNR	EET MID
Total/NA	Prep	5035			4.98 g	5 mL	80328	05/09/24 08:57	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80319	05/09/24 14:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 14:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 05:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80220	05/09/24 05:33	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 18:02	SMC	EET MID

Client Sample ID: T-7 (2.0')

Lab Sample ID: 880-43219-40
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80225	05/08/24 09:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80208	05/08/24 17:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 17:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 03:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80231	05/08/24 09:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80220	05/09/24 03:10	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	80234	05/08/24 10:02	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80257	05/08/24 18:08	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-7 (3.0')

Lab Sample ID: 880-43219-41
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	80212	05/08/24 11:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 11:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 10:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80312	05/09/24 10:00	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 18:59	SMC	EET MID

Client Sample ID: T-7 (4.0')

Lab Sample ID: 880-43219-42
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80212	05/08/24 11:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 11:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 11:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80312	05/09/24 11:01	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 19:17	SMC	EET MID

Client Sample ID: T-8 (0-1')

Lab Sample ID: 880-43219-43
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80212	05/08/24 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 12:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 13:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80312	05/09/24 13:25	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 19:24	SMC	EET MID

Client Sample ID: T-8 (1.5')

Lab Sample ID: 880-43219-44
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80212	05/08/24 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 13:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-8 (1.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-44
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			80338	05/09/24 13:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80312	05/09/24 13:45	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 19:30	SMC	EET MID

Client Sample ID: T-8 (2.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-45
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			4.95 g	5 mL	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80212	05/08/24 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 13:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 14:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80312	05/09/24 14:27	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 19:36	SMC	EET MID

Client Sample ID: T-8 (3.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-46
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			5.03 g	5 mL	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80212	05/08/24 12:09	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	80323	05/09/24 13:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 13:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 11:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80312	05/09/24 11:22	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 19:55	SMC	EET MID

Client Sample ID: T-8 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-47
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			5.00 g	5 mL	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80212	05/08/24 12:29	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	80323	05/09/24 14:11	MNR	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-8 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 14:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80312	05/09/24 11:42	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 20:01	SMC	EET MID

Client Sample ID: T-9 (0-1')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-48
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			4.98 g	5 mL	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80212	05/08/24 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 13:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 14:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80312	05/09/24 14:47	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 20:08	SMC	EET MID

Client Sample ID: T-9 (1.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-49
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			4.96 g	5 mL	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80212	05/08/24 14:11	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80323	05/09/24 16:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80312	05/09/24 15:08	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 20:14	SMC	EET MID

Client Sample ID: T-9 (2.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-50
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	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80212	05/08/24 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 14:32	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-9 (2.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			80338	05/09/24 15:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80312	05/09/24 15:28	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 20:20	SMC	EET MID

Client Sample ID: T-9 (3.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-51
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			5.02 g	5 mL	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80212	05/08/24 15:56	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80323	05/09/24 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 14:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 12:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80312	05/09/24 12:03	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 20:27	SMC	EET MID

Client Sample ID: T-9 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-52
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			4.98 g	5 mL	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80212	05/08/24 16:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80312	05/09/24 15:49	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 20:45	SMC	EET MID

Client Sample ID: T-9 (5.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-53
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			4.95 g	5 mL	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80212	05/08/24 17:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 17:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 16:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-9 (5.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-53
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	8015NM Prep			10.07 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80312	05/09/24 16:10	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 20:52	SMC	EET MID

Client Sample ID: T-9 (6.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-54
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	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80212	05/08/24 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 17:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 12:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80312	05/09/24 12:23	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 21:11	SMC	EET MID

Client Sample ID: T-9 (7.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-55
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	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80212	05/08/24 16:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 16:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80312	05/09/24 12:44	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 21:17	SMC	EET MID

Client Sample ID: T-9 (8.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-56
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	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80212	05/08/24 16:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 13:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80312	05/09/24 13:04	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-9 (8.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-56
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 21:24	SMC	EET MID

Client Sample ID: T-10 (0-1')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-57
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	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80212	05/08/24 17:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 17:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 16:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80312	05/09/24 16:31	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 21:30	SMC	EET MID

Client Sample ID: T-10 (1.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-58
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	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80212	05/08/24 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 18:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 16:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80312	05/09/24 16:51	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 21:36	SMC	EET MID

Client Sample ID: T-10 (2.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-59
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			5.01 g	5 mL	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80212	05/08/24 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 18:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 17:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80312	05/09/24 17:12	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 21:43	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-10 (3.0')

Lab Sample ID: 880-43219-60
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80329	05/09/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80322	05/09/24 12:12	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	80227	05/08/24 09:36	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	80212	05/08/24 19:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 17:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80233	05/08/24 10:00	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80312	05/09/24 17:34	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80236	05/08/24 10:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80260	05/08/24 21:49	SMC	EET MID

Client Sample ID: T-10 (4.0')

Lab Sample ID: 880-43219-61
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80328	05/09/24 08:57	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80319	05/09/24 15:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 15:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 13:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80235	05/08/24 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80314	05/09/24 13:45	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80237	05/08/24 10:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80267	05/08/24 15:47	SMC	EET MID

Client Sample ID: T-10 (5.0')

Lab Sample ID: 880-43219-62
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

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	80228	05/08/24 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/08/24 11:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 11:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 10:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80235	05/08/24 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80314	05/09/24 10:00	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80237	05/08/24 10:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80267	05/08/24 16:05	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-11 (0-1')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-63
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			4.99 g	5 mL	80329	05/09/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80322	05/09/24 12:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 12:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 14:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80235	05/08/24 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80314	05/09/24 14:27	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80237	05/08/24 10:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80267	05/08/24 16:12	SMC	EET MID

Client Sample ID: T-11 (2.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-64
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	80329	05/09/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80322	05/09/24 12:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 12:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 14:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80235	05/08/24 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80314	05/09/24 14:47	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80237	05/08/24 10:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80267	05/08/24 16:18	SMC	EET MID

Client Sample ID: T-11 (3.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-65
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			5.03 g	5 mL	80329	05/09/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80322	05/09/24 13:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 13:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80235	05/08/24 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80314	05/09/24 15:08	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80237	05/08/24 10:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80267	05/08/24 16:24	SMC	EET MID

Client Sample ID: T-11 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-66
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	80329	05/09/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80322	05/09/24 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 13:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-11 (4.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-66
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			80338	05/09/24 15:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80235	05/08/24 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	80314	05/09/24 15:28	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80237	05/08/24 10:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80267	05/08/24 19:49	SMC	EET MID

Client Sample ID: T-11 (5.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-67
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			5.00 g	5 mL	80228	05/08/24 09:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/08/24 12:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/08/24 12:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 11:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80235	05/08/24 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80314	05/09/24 11:01	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	80237	05/08/24 10:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80267	05/08/24 19:55	SMC	EET MID

Client Sample ID: T-11 (6.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-68
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	80329	05/09/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80322	05/09/24 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 14:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 15:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80235	05/08/24 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	80314	05/09/24 15:49	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80237	05/08/24 10:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80267	05/08/24 20:01	SMC	EET MID

Client Sample ID: T-11 (7.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-69
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	80329	05/09/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80322	05/09/24 14:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 14:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 16:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80235	05/08/24 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80314	05/09/24 16:10	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-11 (7.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-69
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	80237	05/08/24 10:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80267	05/08/24 20:07	SMC	EET MID

Client Sample ID: T-11 (8.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-70
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80329	05/09/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80322	05/09/24 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 14:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 16:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80235	05/08/24 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80314	05/09/24 16:31	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80237	05/08/24 10:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80267	05/08/24 20:13	SMC	EET MID

Client Sample ID: T-11 (9.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-71
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	80329	05/09/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80322	05/09/24 15:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 15:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 16:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80235	05/08/24 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80314	05/09/24 16:51	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80237	05/08/24 10:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80267	05/08/24 20:19	SMC	EET MID

Client Sample ID: T-11 (10.0')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-72
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	80329	05/09/24 09:01	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80322	05/09/24 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 16:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 17:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80235	05/08/24 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80314	05/09/24 17:12	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80237	05/08/24 10:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80267	05/08/24 20:38	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Client Sample ID: T-11 (11.0')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 08:51

Lab Sample ID: 880-43219-73

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	80327	05/09/24 08:53	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	80320	05/09/24 14:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			80360	05/09/24 14:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			80338	05/09/24 17:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80235	05/08/24 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	80314	05/09/24 17:34	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80237	05/08/24 10:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80267	05/08/24 20:44	SMC	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: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-43219-1	T-1 (0-1')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-2	T-1 (1.5')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-3	T-1 (2.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-4	T-1 (3.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-5	T-1 (4.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-6	T-1 (5.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-7	T-2 (0-1')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-8	T-2 (1.5')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-9	T-2 (2.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-10	T-2 (3.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-11	T-2 (4.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-12	T-2 (5.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-13	T-2 (6.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-14	T-2 (7.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-15	T-2 (8.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-16	T-3 (0-1')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-17	T-3 (1.5')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-18	T-3 (2.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-19	T-3 (3.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-20	T-3 (4.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-21	T-3 (5.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-22	T-4 (0-1')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-23	T-4 (1.5')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-24	T-4 (2.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-25	T-4 (3.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-26	T-4 (4.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-27	T-5 (0-1')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-28	T-5 (1.5')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-29	T-5 (2.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-30	T-5 (3.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-31	T-5 (4.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-32	T-6 (0-1')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-33	T-6 (1.5')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-34	T-6 (2.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-35	T-6 (3.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-36	T-6 (4.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-37	T-6 (5.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-38	T-7 (0-1')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-39	T-7 (1.5')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-40	T-7 (2.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-41	T-7 (3.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-42	T-7 (4.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-43	T-8 (0-1')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-44	T-8 (1.5')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-45	T-8 (2.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-46	T-8 (3.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-47	T-8 (4.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-48	T-9 (0-1')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-49	T-9 (1.5')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-50	T-9 (2.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-51	T-9 (3.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-52	T-9 (4.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-53	T-9 (5.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-54	T-9 (6.0')	Solid	05/07/24 00:00	05/08/24 08:51

Sample Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43219-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-43219-55	T-9 (7.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-56	T-9 (8.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-57	T-10 (0-1')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-58	T-10 (1.5')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-59	T-10 (2.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-60	T-10 (3.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-61	T-10 (4.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-62	T-10 (5.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-63	T-11 (0-1')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-64	T-11 (2.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-65	T-11 (3.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-66	T-11 (4.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-67	T-11 (5.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-68	T-11 (6.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-69	T-11 (7.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-70	T-11 (8.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-71	T-11 (9.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-72	T-11 (10.0')	Solid	05/07/24 00:00	05/08/24 08:51
880-43219-73	T-11 (11.0')	Solid	05/07/24 00:00	05/08/24 08:51

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Project Manager	Ashton Thielke	Bill to (if different)	Carmona Resources
Company Name.	Carmona Resources	Company Name	
Address.	310 West Wall Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone.	432-813-8988	Email	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables. EDD ☐ ADaPT ☐ Other:

Project Name.	Uracas 8 (05 01 2024)	Turn Around	
Project Number	2362	☐ Routine	☑ Rush
Project Location	Lea County, NM	Due Date	24 Hours
Sampler's Name	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank	Yes No	Wet Ice	Yes No
Received Intact:	Yes No	Thermometer ID	IR6
Cooler Custody Seals.	Yes No N/A	Correction Factor	-.1
Sample Custody Seals.	Yes No N/A	Temperature Reading	0.3
Total Containers		Corrected Temperature	0.2

Preservative Codes

None: NO DI Water H_2O

Cool Cool MeOH Me

HCL. HC HNO_3. HN

H_2S0_4. H_2 NaOH Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
T-1 (0-1')	5/7/2024		X		G	1		X	X	X		
T-1 (1 5')	5/7/2024		X		G	1		X	X	X		
T-1 (2 0')	5/7/2024		X		G	1		X	X	X		
T-1 (3 0')	5/7/2024		X		G	1		X	X	X		
T-1 (4 0')	5/7/2024		X		G	1		X	X	X		
T-1 (5 0')	5/7/2024		X		G	1		X	X	X		
T-2 (0-1')	5/7/2024		X		G	1		X	X	X		
T-2 (1 5')	5/7/2024		X		G	1		X	X	X		
T-2 (2 0')	5/7/2024		X		G	1		X	X	X		
T-2 (3 0')	5/7/2024		X		G	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		5/7/24 851	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Work Order No: 219

Project Manager	Ashton Thielke	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 West Wall Ste 500	Address.	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone:	432-813-8988	Email	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Uracas 8 (05 01 2024)	Turn Around		Pres. Code	
Project Number	2362	☐ Routine	☑ Rush		
Project Location	Lea County, NM	Due Date	24 Hours		
Sampler's Name:	GPJ				
PO #					

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD
T-2 (4 0')	5/7/2024		X		G	1	X	X	X	
T-2 (5 0')	5/7/2024		X		G	1	X	X	X	
T-2 (6 0')	5/7/2024		X		G	1	X	X	X	
T-2 (7 0')	5/7/2024		X		G	1	X	X	X	
T-2 (8 0')	5/7/2024		X		G	1	X	X	X	
T-3 (0-1')	5/7/2024		X		G	1	X	X	X	
T-3 (1 5')	5/7/2024		X		G	1	X	X	X	
T-3 (2 0')	5/7/2024		X		G	1	X	X	X	
T-3 (3 0')	5/7/2024		X		G	1	X	X	X	
T-3 (4 0')	5/7/2024		X		G	1	X	X	X	

ANALYSIS REQUEST

Preservative Codes

None: NO DI Water H_2O

Cool Cool MeOH Me

HCL. HC HNO_3. HN

H_2S0_4. H_2 NaOH Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		5/8/24 801	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Work Order No: 219

Project Manager	Ashton Thielke	Bill to (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address.	310 West Wall Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-8988 Email	thielkea@carmonaresources.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Uracas 8 (05 01 2024)	Turn Around	
Project Number	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date	24 Hours
Sampler's Name	GPJ		
PO #			

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

Preservative Codes

None: NO DI Water: H_2O

Cool Cool MeOH Me

HCL. HC HNO_3. HN

H_2S0_4 H_2 NaOH Na

H_3PO_4. HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
T-3 (5 0')	5/7/2024		X		G	1		X	X	X		
T-4 (0-1')	5/7/2024		X		G	1		X	X	X		
T-4 (1 5')	5/7/2024		X		G	1		X	X	X		
T-4 (2 0')	5/7/2024		X		G	1		X	X	X		
T-4 (3 0')	5/7/2024		X		G	1		X	X	X		
T-4 (4 0')	5/7/2024		X		G	1		X	X	X		
T-5 (0-1')	5/7/2024		X		G	1		X	X	X		
T-5 (1 5')	5/7/2024		X		G	1		X	X	X		
T-5 (2 0')	5/7/2024		X		G	1		X	X	X		
T-5 (3 0')	5/7/2024		X		G	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		9/6/24 851	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Work Order No: 219

Project Manager	Ashton Thielke	Bill to (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name.	
Address	310 West Wall Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-8988	Email	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Uracas 8 (05 01 2024)	Turn Around	
Project Number	2362	☐ Routine	☑ Rush
Project Location	Lea County, NM	Due Date	24 Hours
Sampler's Name:	GPJ		
PO #			

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

Preservative Codes

None. NO; DI Water H_2O; Cool Cool; MeOH Me; HCL. HC; HNO_3. HN; H_2S0_4. H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$. NABIS; $Na_2S_2O_3$. $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
T-5 (4 0')	5/7/2024		X		G	1		X	X	X		
T-6 (0-1')	5/7/2024		X		G	1		X	X	X		
T-6 (1 5')	5/7/2024		X		G	1		X	X	X		
T-6 (2 0')	5/7/2024		X		G	1		X	X	X		
T-6 (3 0')	5/7/2024		X		G	1		X	X	X		
T-6 (4 0')	5/7/2024		X		G	1		X	X	X		
T-6 (5 0')	5/7/2024		X		G	1		X	X	X		
T-7 (0-1')	5/7/2024		X		G	1		X	X	X		
T-7 (1 5')	5/7/2024		X		G	1		X	X	X		
T-7 (2 0')	5/7/2024		X		G	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		5/8/24 851	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Work Order No: 219

Project Manager	Ashton Thielke	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 West Wall Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-8988	Email	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Uracas 8 (05 01 2024)	Turn Around	
Project Number	2362	☐ Routine	☑ Rush
Project Location	Lea County, NM	Due Date	24 Hours
Sampler's Name:	GPJ		
PO #			

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

Preservative Codes

None: NO DI Water: H_2O

Cool Cool MeOH Me

HCL. HC HNO_3. HN

H_2S0_4. H_2 NaOH Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
T-7 (3 0')	5/7/2024		X		G	1	X	X	X		
T-7 (4 0')	5/7/2024		X		G	1	X	X	X		
T-8 (0-1')	5/7/2024		X		G	1	X	X	X		
T-8 (1 5')	5/7/2024		X		G	1	X	X	X		
T-8 (2 0')	5/7/2024		X		G	1	X	X	X		
T-8 (3 0')	5/7/2024		X		G	1	X	X	X		
T-8 (4 0')	5/7/2024		X		G	1	X	X	X		
T-9 (0-1')	5/7/2024		X		G	1	X	X	X		
T-9 (1 5')	5/7/2024		X		G	1	X	X	X		
T-9 (2 0')	5/7/2024		X		G	1	X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		5/8/24 853	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Work Order No: 219

Project Manager	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 West Wall Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-8988	Email	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Uracas 8 (05 01 2024)	Turn Around	
Project Number	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date	24 Hours
Sampler's Name	GPJ		
PO #			

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

Preservative Codes

None: NO DI Water: H_2O

Cool Cool MeOH Me

HCL. HC HNO_3. HN

H_2S0_4. H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
T-9 (3 0')	5/7/2024		X		G	1		X	X	X		
T-9 (4 0')	5/7/2024		X		G	1		X	X	X		
T-9 (5 0')	5/7/2024		X		G	1		X	X	X		
T-9 (6 0')	5/7/2024		X		G	1		X	X	X		
T-9 (7 0')	5/7/2024		X		G	1		X	X	X		
T-9 (8 0')	5/7/2024		X		G	1		X	X	X		
T-10 (0-1')	5/7/2024		X		G	1		X	X	X		
T-10 (1 5')	5/7/2024		X		G	1		X	X	X		
T-10 (2 0')	5/7/2024		X		G	1		X	X	X		
T-10 (3 0')	5/7/2024		X		G	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		5/8/24 851	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020 1

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Work Order No: 219

Project Manager	Ashton Thielke	Bill to (if different)	Carmona Resources
Company Name.	Carmona Resources	Company Name	
Address.	310 West Wall Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone.	432-813-8988	Email	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Uracas 8 (05 01 2024)	Turn Around	
Project Number	2362	☐ Routine	☑ Rush
Project Location	Lea County, NM	Due Date	24 Hours
Sampler's Name:	GPJ		
PO #:			

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD
T-10 (4 0')	5/7/2024		X		G	1	X	X	X	
T-10 (5 0')	5/7/2024		X		G	1	X	X	X	
T-11 (0-1')	5/7/2024		X		G	1	X	X	X	
T-11 (1 5')	5/7/2024		X		G	1	X	X	X	
T-11 (2 0')	5/7/2024		X		G	1	X	X	X	
T-11 (3 0')	5/7/2024		X		G	1	X	X	X	
T-11 (4 0')	5/7/2024		X		G	1	X	X	X	
T-11 (5 0')	5/7/2024		X		G	1	X	X	X	
T-11 (6 0')	5/7/2024		X		G	1	X	X	X	
T-11 (7 0')	5/7/2024		X		G	1	X	X	X	

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL. HC HNO_3. HN

H_2S0_4. H_2 NaOH Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		5/8/24 831	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Work Order No: 43219

Project Manager	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 West Wall Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-8988	Email	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables. EDD ☐ ADaPT ☐ Other:

Project Name	Uracas 8 (05 01 2024)	Turn Around	
Project Number	2362	☐ Routine	☑ Rush
Project Location	Lea County, NM	Due Date	24 Hours
Sampler's Name	GPJ		
PO #			

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

Preservative Codes

None. NO — DI Water. H_2O

Cool Cool — MeOH Me

HCL. HC — HNO_3. HN

H_2S0_4. H_2 — NaOH Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
T-11 (8 0')	5/7/2024		X		G	1	X	X	X		
T-11 (9 0')	5/7/2024		X		G	1	X	X	X		
T-11 (10.0')	" "		X		G	1	X	X	X		
T-11 (11.0')	" "		X		G	1	X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		5/8/24 851	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-43219-1
SDG Number: Lea County, NM

Login Number: 43219
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 5/9/2024 3:39:02 PM

JOB DESCRIPTION

Uracas 8 (05.01.2024)
(05.01.2024) Lea County, NM

JOB NUMBER

880-43097-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 10/22/2024 11:31:47 AM

my EOL

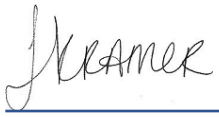
Eurofins Midland

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
5/9/2024 3:39:02 PM

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 21
QC Sample Results 23
QC Association Summary 35
Lab Chronicle 41
Certification Summary 47
Method Summary 48
Sample Summary 49
Chain of Custody 50
Receipt Checklists 52

Released to Imaging: 10/22/2024 11:31:47 AM

Definitions/Glossary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-43097-1

Job ID: 880-43097-1 Eurofins Midland

Job Narrative
880-43097-1

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 5/6/2024 2:19 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 2.3°C.

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-80010 and 880-80086 and analytical batch 880-79995 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H- 3 (0-0.5') (880-43097-3), H- 16 (0-0.5') (880-43097-16) and H- 18 (0-0.5') (880-43097-18). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-80010 and analytical batch 880-79995 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H- 5 (0-0.5') (880-43097-5), H- 6 (0-0.5') (880-43097-6) and H- 8 (0-0.5') (880-43097-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80099 and analytical batch 880-80181 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 for preparation batch 880-80099 and analytical batch 880-80218 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-13 (0-0.5') (880-43097-13). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-1
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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		05/07/24 08:40	05/07/24 16:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/24 08:40	05/07/24 16:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/24 08:40	05/07/24 16:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/24 08:40	05/07/24 16:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/24 08:40	05/07/24 16:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/24 08:40	05/07/24 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/07/24 08:40*	*05/07/24 16:20*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/07/24 08:40*	*05/07/24 16:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/07/24 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/07/24 14:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		05/06/24 15:26	05/07/24 14:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		05/06/24 15:26	05/07/24 14:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/06/24 15:26	05/07/24 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*05/06/24 15:26*	*05/07/24 14:39*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/06/24 15:26*	*05/07/24 14:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.58**		4.99		mg/Kg			05/06/24 18:40	1

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

Lab Sample ID: 880-43097-2
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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		05/06/24 17:00	05/06/24 19:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/06/24 17:00	05/06/24 19:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/06/24 17:00	05/06/24 19:31	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		05/06/24 17:00	05/06/24 19:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/06/24 17:00	05/06/24 19:31	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		05/06/24 17:00	05/06/24 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/06/24 17:00*	*05/06/24 19:31*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/06/24 17:00*	*05/06/24 19:31*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-2
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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			05/06/24 19:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/07/24 15:23	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	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/07/24 15:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/07/24 15:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/07/24 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*05/06/24 15:26*	*05/07/24 15:23*	*1*
o-Terphenyl	*85*		*70 - 130*	*05/06/24 15:26*	*05/07/24 15:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/06/24 18:58	1

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

Lab Sample ID: 880-43097-3
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0283**		0.00199		mg/Kg		05/06/24 17:00	05/06/24 19:51	1
Toluene	**0.220**		0.00199		mg/Kg		05/06/24 17:00	05/06/24 19:51	1
Ethylbenzene	**0.0271**		0.00199		mg/Kg		05/06/24 17:00	05/06/24 19:51	1
m-Xylene & p-Xylene	**0.124**	*+	0.00398		mg/Kg		05/06/24 17:00	05/06/24 19:51	1
o-Xylene	**0.0304**		0.00199		mg/Kg		05/06/24 17:00	05/06/24 19:51	1
Xylenes, Total	**0.154**	*+	0.00398		mg/Kg		05/06/24 17:00	05/06/24 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*05/06/24 17:00*	*05/06/24 19:51*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*05/06/24 17:00*	*05/06/24 19:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.430**		0.00398		mg/Kg			05/06/24 19:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/07/24 15:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/07/24 15:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/07/24 15:38	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-3
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/07/24 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/06/24 15:26*	*05/07/24 15:38*	*1*
o-Terphenyl	*84*		*70 - 130*	*05/06/24 15:26*	*05/07/24 15:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/06/24 19:04	1

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

Lab Sample ID: 880-43097-4
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00206**		0.00202		mg/Kg		05/06/24 14:37	05/06/24 18:43	1
Toluene	**0.0147**		0.00202		mg/Kg		05/06/24 14:37	05/06/24 18:43	1
Ethylbenzene	**0.00562**		0.00202		mg/Kg		05/06/24 14:37	05/06/24 18:43	1
m-Xylene & p-Xylene	**0.0194**		0.00404		mg/Kg		05/06/24 14:37	05/06/24 18:43	1
o-Xylene	**0.00551**		0.00202		mg/Kg		05/06/24 14:37	05/06/24 18:43	1
Xylenes, Total	**0.0249**		0.00404		mg/Kg		05/06/24 14:37	05/06/24 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/06/24 14:37*	*05/06/24 18:43*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/06/24 14:37*	*05/06/24 18:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0473**		0.00404		mg/Kg			05/06/24 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/07/24 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/06/24 15:26	05/07/24 15:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/06/24 15:26	05/07/24 15:52	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/06/24 15:26	05/07/24 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*05/06/24 15:26*	*05/07/24 15:52*	*1*
o-Terphenyl	*75*		*70 - 130*	*05/06/24 15:26*	*05/07/24 15:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/06/24 19:11	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-5
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00523		0.00200		mg/Kg		05/06/24 14:37	05/06/24 23:10	1
Toluene	0.0100		0.00200		mg/Kg		05/06/24 14:37	05/06/24 23:10	1
Ethylbenzene	0.00430		0.00200		mg/Kg		05/06/24 14:37	05/06/24 23:10	1
m-Xylene & p-Xylene	0.0167		0.00400		mg/Kg		05/06/24 14:37	05/06/24 23:10	1
o-Xylene	0.00465		0.00200		mg/Kg		05/06/24 14:37	05/06/24 23:10	1
Xylenes, Total	0.0214		0.00400		mg/Kg		05/06/24 14:37	05/06/24 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/06/24 14:37*	*05/06/24 23:10*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/06/24 14:37*	*05/06/24 23:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0409		0.00400		mg/Kg			05/06/24 23:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/07/24 16:07	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	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/07/24 16:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/07/24 16:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/07/24 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*05/06/24 15:26*	*05/07/24 16:07*	*1*
o-Terphenyl	*74*		*70 - 130*	*05/06/24 15:26*	*05/07/24 16:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/06/24 19:17	1

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

Lab Sample ID: 880-43097-6
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0125		0.00200		mg/Kg		05/06/24 14:37	05/06/24 23:30	1
Toluene	0.0470		0.00200		mg/Kg		05/06/24 14:37	05/06/24 23:30	1
Ethylbenzene	0.0170		0.00200		mg/Kg		05/06/24 14:37	05/06/24 23:30	1
m-Xylene & p-Xylene	0.0632		0.00399		mg/Kg		05/06/24 14:37	05/06/24 23:30	1
o-Xylene	0.0191		0.00200		mg/Kg		05/06/24 14:37	05/06/24 23:30	1
Xylenes, Total	0.0823		0.00399		mg/Kg		05/06/24 14:37	05/06/24 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/06/24 14:37*	*05/06/24 23:30*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/06/24 14:37*	*05/06/24 23:30*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-6
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.159**		0.00399		mg/Kg			05/06/24 23:30	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			05/07/24 16:21	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	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/07/24 16:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/07/24 16:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/07/24 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*05/06/24 15:26*	*05/07/24 16:21*	*1*
o-Terphenyl	*73*		*70 - 130*	*05/06/24 15:26*	*05/07/24 16:21*	*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			05/06/24 19:35	1

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

Lab Sample ID: 880-43097-7
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0118**		0.00201		mg/Kg		05/06/24 14:37	05/06/24 23:51	1
Toluene	**0.0148**		0.00201		mg/Kg		05/06/24 14:37	05/06/24 23:51	1
Ethylbenzene	**0.00464**		0.00201		mg/Kg		05/06/24 14:37	05/06/24 23:51	1
m-Xylene & p-Xylene	**0.0187**		0.00402		mg/Kg		05/06/24 14:37	05/06/24 23:51	1
o-Xylene	**0.00602**		0.00201		mg/Kg		05/06/24 14:37	05/06/24 23:51	1
Xylenes, Total	**0.0247**		0.00402		mg/Kg		05/06/24 14:37	05/06/24 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/06/24 14:37*	*05/06/24 23:51*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/06/24 14:37*	*05/06/24 23:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0560**		0.00402		mg/Kg			05/06/24 23:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/07/24 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	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/07/24 16:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/07/24 16:36	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-7
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/07/24 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*05/06/24 15:26*	*05/07/24 16:36*	*1*
o-Terphenyl	*75*		*70 - 130*	*05/06/24 15:26*	*05/07/24 16:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/06/24 19:41	1

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

Lab Sample ID: 880-43097-8
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0144**		0.00199		mg/Kg		05/06/24 14:37	05/07/24 00:11	1
Toluene	**0.0204**		0.00199		mg/Kg		05/06/24 14:37	05/07/24 00:11	1
Ethylbenzene	**0.00516**		0.00199		mg/Kg		05/06/24 14:37	05/07/24 00:11	1
m-Xylene & p-Xylene	**0.0225**		0.00398		mg/Kg		05/06/24 14:37	05/07/24 00:11	1
o-Xylene	**0.00643**		0.00199		mg/Kg		05/06/24 14:37	05/07/24 00:11	1
Xylenes, Total	**0.0289**		0.00398		mg/Kg		05/06/24 14:37	05/07/24 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/06/24 14:37*	*05/07/24 00:11*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/06/24 14:37*	*05/07/24 00:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0689**		0.00398		mg/Kg			05/07/24 00:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/07/24 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/07/24 16:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/07/24 16:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/07/24 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*05/06/24 15:26*	*05/07/24 16:51*	*1*
o-Terphenyl	*72*		*70 - 130*	*05/06/24 15:26*	*05/07/24 16:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			05/06/24 19:47	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-9
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0106**		0.00201		mg/Kg		05/06/24 14:37	05/07/24 00:31	1
Toluene	**0.0111**		0.00201		mg/Kg		05/06/24 14:37	05/07/24 00:31	1
Ethylbenzene	**0.00314**		0.00201		mg/Kg		05/06/24 14:37	05/07/24 00:31	1
m-Xylene & p-Xylene	**0.0139**		0.00402		mg/Kg		05/06/24 14:37	05/07/24 00:31	1
o-Xylene	**0.00494**		0.00201		mg/Kg		05/06/24 14:37	05/07/24 00:31	1
Xylenes, Total	**0.0188**		0.00402		mg/Kg		05/06/24 14:37	05/07/24 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/06/24 14:37*	*05/07/24 00:31*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/06/24 14:37*	*05/07/24 00:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0437**		0.00402		mg/Kg			05/07/24 00:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/07/24 17:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/07/24 17:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/07/24 17:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/07/24 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*05/06/24 15:26*	*05/07/24 17:05*	*1*
o-Terphenyl	*73*		*70 - 130*	*05/06/24 15:26*	*05/07/24 17:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			05/06/24 19:54	1

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

Lab Sample ID: 880-43097-10
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00312**		0.00200		mg/Kg		05/06/24 14:37	05/07/24 00:52	1
Toluene	**0.00331**		0.00200		mg/Kg		05/06/24 14:37	05/07/24 00:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/06/24 14:37	05/07/24 00:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/06/24 14:37	05/07/24 00:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/06/24 14:37	05/07/24 00:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/06/24 14:37	05/07/24 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/06/24 14:37*	*05/07/24 00:52*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/06/24 14:37*	*05/07/24 00:52*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-10
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00643**		0.00401		mg/Kg			05/07/24 00:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/07/24 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/06/24 15:26	05/07/24 17:20	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/06/24 15:26	05/07/24 17:20	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/06/24 15:26	05/07/24 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*05/06/24 15:26*	*05/07/24 17:20*	*1*
o-Terphenyl	*88*		*70 - 130*	*05/06/24 15:26*	*05/07/24 17:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/06/24 20:00	1

Client Sample ID: H- 11 (0-0.5')

Lab Sample ID: 880-43097-11
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00793**		0.00198		mg/Kg		05/06/24 14:37	05/07/24 01:12	1
Toluene	**0.00966**		0.00198		mg/Kg		05/06/24 14:37	05/07/24 01:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/06/24 14:37	05/07/24 01:12	1
m-Xylene & p-Xylene	**0.00694**		0.00397		mg/Kg		05/06/24 14:37	05/07/24 01:12	1
o-Xylene	**0.00221**		0.00198		mg/Kg		05/06/24 14:37	05/07/24 01:12	1
Xylenes, Total	**0.00915**		0.00397		mg/Kg		05/06/24 14:37	05/07/24 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/06/24 14:37*	*05/07/24 01:12*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/06/24 14:37*	*05/07/24 01:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0267**		0.00397		mg/Kg			05/07/24 01:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/08/24 12:12	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	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/08/24 12:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8		mg/Kg		05/06/24 15:26	05/08/24 12:12	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Client Sample ID: H- 11 (0-0.5')

Lab Sample ID: 880-43097-11
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/08/24 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*05/06/24 15:26*	*05/08/24 12:12*	*1*
o-Terphenyl	*87*		*70 - 130*	*05/06/24 15:26*	*05/08/24 12:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			05/06/24 20:06	1

Client Sample ID: H- 12 (0-0.5')

Lab Sample ID: 880-43097-12
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00351**		0.00200		mg/Kg		05/06/24 14:37	05/07/24 01:33	1
Toluene	**0.0102**		0.00200		mg/Kg		05/06/24 14:37	05/07/24 01:33	1
Ethylbenzene	**0.00644**		0.00200		mg/Kg		05/06/24 14:37	05/07/24 01:33	1
m-Xylene & p-Xylene	**0.0286**		0.00401		mg/Kg		05/06/24 14:37	05/07/24 01:33	1
o-Xylene	**0.00920**		0.00200		mg/Kg		05/06/24 14:37	05/07/24 01:33	1
Xylenes, Total	**0.0378**		0.00401		mg/Kg		05/06/24 14:37	05/07/24 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/06/24 14:37*	*05/07/24 01:33*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/06/24 14:37*	*05/07/24 01:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0580**		0.00401		mg/Kg			05/07/24 01:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/08/24 13:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/06/24 15:26	05/08/24 13:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/06/24 15:26	05/08/24 13:14	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/06/24 15:26	05/08/24 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*05/06/24 15:26*	*05/08/24 13:14*	*1*
o-Terphenyl	*104*		*70 - 130*	*05/06/24 15:26*	*05/08/24 13:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/06/24 20:24	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Client Sample ID: H-13 (0-0.5')

Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

Lab Sample ID: 880-43097-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.131		0.00200		mg/Kg		05/06/24 14:37	05/07/24 01:53	1
Toluene	0.0792		0.00200		mg/Kg		05/06/24 14:37	05/07/24 01:53	1
Ethylbenzene	0.00639		0.00200		mg/Kg		05/06/24 14:37	05/07/24 01:53	1
m-Xylene & p-Xylene	0.0209		0.00399		mg/Kg		05/06/24 14:37	05/07/24 01:53	1
o-Xylene	0.00608		0.00200		mg/Kg		05/06/24 14:37	05/07/24 01:53	1
Xylenes, Total	0.0270		0.00399		mg/Kg		05/06/24 14:37	05/07/24 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/06/24 14:37*	*05/07/24 01:53*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*05/06/24 14:37*	*05/07/24 01:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.244		0.00399		mg/Kg			05/07/24 01:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/08/24 13:34	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	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/08/24 13:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/08/24 13:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/06/24 15:26	05/08/24 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*05/06/24 15:26*	*05/08/24 13:34*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*05/06/24 15:26*	*05/08/24 13:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			05/06/24 20:31	1

Client Sample ID: H- 14 (0-0.5')

Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

Lab Sample ID: 880-43097-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.185		0.0499		mg/Kg		05/06/24 14:55	05/07/24 08:42	25
Toluene	0.325		0.00199		mg/Kg		05/06/24 14:37	05/07/24 02:13	1
Ethylbenzene	0.0151		0.00199		mg/Kg		05/06/24 14:37	05/07/24 02:13	1
m-Xylene & p-Xylene	0.0415		0.00398		mg/Kg		05/06/24 14:37	05/07/24 02:13	1
o-Xylene	0.0125		0.00199		mg/Kg		05/06/24 14:37	05/07/24 02:13	1
Xylenes, Total	0.0540		0.00398		mg/Kg		05/06/24 14:37	05/07/24 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/06/24 14:37*	*05/07/24 02:13*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/06/24 14:37*	*05/07/24 02:13*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Client Sample ID: H- 14 (0-0.5')

Lab Sample ID: 880-43097-14
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.579**		0.00398		mg/Kg			05/07/24 08:42	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			05/08/24 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	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/08/24 13:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/08/24 13:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/06/24 15:26	05/08/24 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*05/06/24 15:26*	*05/08/24 13:55*	*1*
o-Terphenyl	*71*		*70 - 130*	*05/06/24 15:26*	*05/08/24 13:55*	*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			05/06/24 20:49	1

Client Sample ID: H- 15 (0-0.5')

Lab Sample ID: 880-43097-15
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0237**		0.00202		mg/Kg		05/06/24 14:55	05/06/24 23:50	1
Toluene	**0.0171**		0.00202		mg/Kg		05/06/24 14:55	05/06/24 23:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/06/24 14:55	05/06/24 23:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/06/24 14:55	05/06/24 23:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/06/24 14:55	05/06/24 23:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/06/24 14:55	05/06/24 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*05/06/24 14:55*	*05/06/24 23:50*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*05/06/24 14:55*	*05/06/24 23:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0408**		0.00404		mg/Kg			05/06/24 23:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			05/06/24 20:53	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	<50.4	U	50.4		mg/Kg		05/06/24 08:29	05/06/24 20:53	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		05/06/24 08:29	05/06/24 20:53	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Client Sample ID: H- 15 (0-0.5')

Lab Sample ID: 880-43097-15
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		05/06/24 08:29	05/06/24 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*05/06/24 08:29*	*05/06/24 20:53*	*1*
o-Terphenyl	*81*		*70 - 130*	*05/06/24 08:29*	*05/06/24 20:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			05/06/24 20:55	1

Client Sample ID: H- 16 (0-0.5')

Lab Sample ID: 880-43097-16
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.286**		0.00200		mg/Kg		05/06/24 14:55	05/07/24 00:11	1
Toluene	**0.206**		0.00200		mg/Kg		05/06/24 14:55	05/07/24 00:11	1
Ethylbenzene	**0.00807**		0.00200		mg/Kg		05/06/24 14:55	05/07/24 00:11	1
m-Xylene & p-Xylene	**0.0295**		0.00399		mg/Kg		05/06/24 14:55	05/07/24 00:11	1
o-Xylene	**0.00765**		0.00200		mg/Kg		05/06/24 14:55	05/07/24 00:11	1
Xylenes, Total	**0.0372**		0.00399		mg/Kg		05/06/24 14:55	05/07/24 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*05/06/24 14:55*	*05/07/24 00:11*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*05/06/24 14:55*	*05/07/24 00:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.537**		0.00399		mg/Kg			05/07/24 00:11	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			05/06/24 21:09	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	<50.5	U	50.5		mg/Kg		05/06/24 08:29	05/06/24 21:09	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		05/06/24 08:29	05/06/24 21:09	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		05/06/24 08:29	05/06/24 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*05/06/24 08:29*	*05/06/24 21:09*	*1*
o-Terphenyl	*80*		*70 - 130*	*05/06/24 08:29*	*05/06/24 21:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/06/24 21:01	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Client Sample ID: H- 17 (0-0.5')

Lab Sample ID: 880-43097-17
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.250		0.00199		mg/Kg		05/06/24 14:55	05/07/24 00:31	1
Toluene	0.195		0.00199		mg/Kg		05/06/24 14:55	05/07/24 00:31	1
Ethylbenzene	0.00864		0.00199		mg/Kg		05/06/24 14:55	05/07/24 00:31	1
m-Xylene & p-Xylene	0.0350		0.00398		mg/Kg		05/06/24 14:55	05/07/24 00:31	1
o-Xylene	0.00909		0.00199		mg/Kg		05/06/24 14:55	05/07/24 00:31	1
Xylenes, Total	0.0441		0.00398		mg/Kg		05/06/24 14:55	05/07/24 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*05/06/24 14:55*	*05/07/24 00:31*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*05/06/24 14:55*	*05/07/24 00:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.498		0.00398		mg/Kg			05/07/24 00:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/06/24 21:26	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		05/06/24 08:29	05/06/24 21:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/06/24 08:29	05/06/24 21:26	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/06/24 08:29	05/06/24 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*05/06/24 08:29*	*05/06/24 21:26*	*1*
o-Terphenyl	*83*		*70 - 130*	*05/06/24 08:29*	*05/06/24 21:26*	*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			05/06/24 21:07	1

Client Sample ID: H- 18 (0-0.5')

Lab Sample ID: 880-43097-18
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.249		0.00200		mg/Kg		05/06/24 14:55	05/07/24 00:52	1
Toluene	0.109		0.00200		mg/Kg		05/06/24 14:55	05/07/24 00:52	1
Ethylbenzene	0.00954		0.00200		mg/Kg		05/06/24 14:55	05/07/24 00:52	1
m-Xylene & p-Xylene	0.0594		0.00400		mg/Kg		05/06/24 14:55	05/07/24 00:52	1
o-Xylene	0.0160		0.00200		mg/Kg		05/06/24 14:55	05/07/24 00:52	1
Xylenes, Total	0.0754		0.00400		mg/Kg		05/06/24 14:55	05/07/24 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*193*	*S1+*	*70 - 130*	*05/06/24 14:55*	*05/07/24 00:52*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*05/06/24 14:55*	*05/07/24 00:52*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Client Sample ID: H- 18 (0-0.5')

Lab Sample ID: 880-43097-18
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.443**		0.00400		mg/Kg			05/07/24 00:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/06/24 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/06/24 08:29	05/06/24 21:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/06/24 08:29	05/06/24 21:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/06/24 08:29	05/06/24 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*05/06/24 08:29*	*05/06/24 21:42*	*1*
o-Terphenyl	*72*		*70 - 130*	*05/06/24 08:29*	*05/06/24 21:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			05/06/24 21:14	1

Client Sample ID: H- 19 (0-0.5')

Lab Sample ID: 880-43097-19
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.109**		0.00202		mg/Kg		05/06/24 14:55	05/07/24 01:12	1
Toluene	**0.141**		0.00202		mg/Kg		05/06/24 14:55	05/07/24 01:12	1
Ethylbenzene	**0.00763**		0.00202		mg/Kg		05/06/24 14:55	05/07/24 01:12	1
m-Xylene & p-Xylene	**0.0311**		0.00404		mg/Kg		05/06/24 14:55	05/07/24 01:12	1
o-Xylene	**0.00767**		0.00202		mg/Kg		05/06/24 14:55	05/07/24 01:12	1
Xylenes, Total	**0.0388**		0.00404		mg/Kg		05/06/24 14:55	05/07/24 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/06/24 14:55*	*05/07/24 01:12*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*05/06/24 14:55*	*05/07/24 01:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.296**		0.00404		mg/Kg			05/07/24 01:12	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			05/06/24 21:58	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	<50.2	U	50.2		mg/Kg		05/06/24 08:29	05/06/24 21:58	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/06/24 08:29	05/06/24 21:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Client Sample ID: H- 19 (0-0.5')
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

Lab Sample ID: 880-43097-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/06/24 08:29	05/06/24 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*05/06/24 08:29*	*05/06/24 21:58*	*1*
o-Terphenyl	*77*		*70 - 130*	*05/06/24 08:29*	*05/06/24 21:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			05/06/24 21:20	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-43097-1	H-1 (0-0.5')	109	105
880-43097-1 MS	H-1 (0-0.5')	101	100
880-43097-1 MSD	H-1 (0-0.5')	101	100
880-43097-2	H- 2 (0-0.5')	111	109
880-43097-3	H- 3 (0-0.5')	86	68 S1-
880-43097-4	H-4 (0-0.5')	113	105
880-43097-4 MS	H-4 (0-0.5')	108	101
880-43097-4 MSD	H-4 (0-0.5')	110	103
880-43097-5	H- 5 (0-0.5')	110	104
880-43097-6	H- 6 (0-0.5')	113	103
880-43097-7	H- 7 (0-0.5')	109	102
880-43097-8	H- 8 (0-0.5')	113	106
880-43097-9	H-9 (0-0.5')	109	104
880-43097-10	H- 10 (0-0.5')	108	103
880-43097-11	H- 11 (0-0.5')	109	104
880-43097-12	H- 12 (0-0.5')	112	102
880-43097-13	H-13 (0-0.5')	110	108
880-43097-14	H- 14 (0-0.5')	110	103
880-43097-15	H- 15 (0-0.5')	81	82
880-43097-15 MS	H- 15 (0-0.5')	90	88
880-43097-15 MSD	H- 15 (0-0.5')	97	86
880-43097-16	H- 16 (0-0.5')	78	69 S1-
880-43097-17	H- 17 (0-0.5')	97	82
880-43097-18	H- 18 (0-0.5')	193 S1+	117
880-43097-19	H- 19 (0-0.5')	93	84
LCS 880-80010/1-A	Lab Control Sample	114	107
LCS 880-80080/1-A	Lab Control Sample	104	101
LCS 880-80086/1-A	Lab Control Sample	101	104
LCS 880-80126/1-A	Lab Control Sample	101	100
LCSD 880-80010/2-A	Lab Control Sample Dup	116	102
LCSD 880-80080/2-A	Lab Control Sample Dup	102	100
LCSD 880-80086/2-A	Lab Control Sample Dup	104	99
LCSD 880-80126/2-A	Lab Control Sample Dup	100	100
MB 880-79999/8	Method Blank	110	102
MB 880-80010/5-A	Method Blank	187 S1+	133 S1+
MB 880-80080/5-A	Method Blank	109	101
MB 880-80086/5-A	Method Blank	168 S1+	122
MB 880-80126/5-A	Method Blank	109	103

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)
880-43097-1	H-1 (0-0.5')	86	89

Surrogate Summary

Client: Carmona Resources Job ID: 880-43097-1
Project/Site: Uracas 8 (05.01.2024) SDG: (05.01.2024) Lea County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-43097-1 MS	H-1 (0-0.5')	95	82										
880-43097-1 MSD	H-1 (0-0.5')	95	81										
880-43097-2	H- 2 (0-0.5')	83	85										
880-43097-3	H- 3 (0-0.5')	81	84										
880-43097-4	H-4 (0-0.5')	72	75										
880-43097-5	H- 5 (0-0.5')	69 S1-	74										
880-43097-6	H- 6 (0-0.5')	68 S1-	73										
880-43097-7	H- 7 (0-0.5')	70	75										
880-43097-8	H- 8 (0-0.5')	68 S1-	72										
880-43097-9	H-9 (0-0.5')	70	73										
880-43097-10	H- 10 (0-0.5')	85	88										
880-43097-11	H- 11 (0-0.5')	85	87										
880-43097-11 MS	H- 11 (0-0.5')	79	74										
880-43097-11 MSD	H- 11 (0-0.5')	77	71										
880-43097-12	H- 12 (0-0.5')	101	104										
880-43097-13	H-13 (0-0.5')	67 S1-	67 S1-										
880-43097-14	H- 14 (0-0.5')	73	71										
880-43097-15	H- 15 (0-0.5')	82	81										
880-43097-16	H- 16 (0-0.5')	82	80										
880-43097-17	H- 17 (0-0.5')	82	83										
880-43097-18	H- 18 (0-0.5')	74	72										
880-43097-19	H- 19 (0-0.5')	77	77										
890-6596-A-1-B MS	Matrix Spike	102	85										
890-6596-A-1-C MSD	Matrix Spike Duplicate	84	85										
LCS 880-79993/2-A	Lab Control Sample	85	85										
LCS 880-80099/2-A	Lab Control Sample	99	84										
LCS 880-80099/2-A	Lab Control Sample	106	100										
LCSD 880-79993/3-A	Lab Control Sample Dup	85	87										
LCSD 880-80099/3-A	Lab Control Sample Dup	99	84										
LCSD 880-80099/3-A	Lab Control Sample Dup	114	109										
MB 880-79993/1-A	Method Blank	89	87										
MB 880-80099/1-A	Method Blank	102	103										
MB 880-80099/1-A	Method Blank	114	121										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-79999/8
Matrix: Solid
Analysis Batch: 79999

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			05/06/24 14:40	1
Toluene	<0.00200	U	0.00200		mg/Kg			05/06/24 14:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			05/06/24 14:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			05/06/24 14:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			05/06/24 14:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			05/06/24 14:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*05/06/24 14:40*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*05/06/24 14:40*	*1*

Lab Sample ID: MB 880-80010/5-A
Matrix: Solid
Analysis Batch: 79995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/06/24 09:37	05/06/24 11:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/06/24 09:37	05/06/24 11:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/06/24 09:37	05/06/24 11:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/06/24 09:37	05/06/24 11:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/06/24 09:37	05/06/24 11:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/06/24 09:37	05/06/24 11:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*187*	*S1+*	*70 - 130*	*05/06/24 09:37*	*05/06/24 11:44*	*1*
1,4-Difluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/06/24 09:37*	*05/06/24 11:44*	*1*

Lab Sample ID: LCS 880-80010/1-A
Matrix: Solid
Analysis Batch: 79995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1208		mg/Kg		121	70 - 130
Toluene	0.100	0.1045		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1298		mg/Kg		130	70 - 130
m-Xylene & p-Xylene	0.200	0.2801	*+	mg/Kg		140	70 - 130
o-Xylene	0.100	0.1211		mg/Kg		121	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-80010/2-A
Matrix: Solid
Analysis Batch: 79995

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80010

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1072		mg/Kg		107	70 - 130	12	35

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: LCSD 880-80010/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79995 — **Prep Batch: 80010**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1020		mg/Kg		102	70 - 130	2	35
Ethylbenzene			0.100	0.1193		mg/Kg		119	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2627	*+	mg/Kg		131	70 - 130	6	35
o-Xylene			0.100	0.1151		mg/Kg		115	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-80080/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79999 — **Prep Batch: 80080**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/06/24 14:37	05/06/24 18:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/06/24 14:37	05/06/24 18:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/06/24 14:37	05/06/24 18:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/06/24 14:37	05/06/24 18:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/06/24 14:37	05/06/24 18:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/06/24 14:37	05/06/24 18:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/06/24 14:37*	*05/06/24 18:21*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/06/24 14:37*	*05/06/24 18:21*	*1*

Lab Sample ID: LCS 880-80080/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79999 — **Prep Batch: 80080**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.09865		mg/Kg		99	70 - 130
Toluene			0.100	0.09812		mg/Kg		98	70 - 130
Ethylbenzene			0.100	0.1027		mg/Kg		103	70 - 130
m-Xylene & p-Xylene			0.200	0.2108		mg/Kg		105	70 - 130
o-Xylene			0.100	0.1062		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-80080/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79999 — **Prep Batch: 80080**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09997		mg/Kg		100	70 - 130	1	35
Toluene			0.100	0.09880		mg/Kg		99	70 - 130	1	35
Ethylbenzene			0.100	0.1036		mg/Kg		104	70 - 130	1	35

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: LCSD 880-80080/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79999 — **Prep Batch: 80080**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene			0.200	0.2126		mg/Kg		106	70 - 130	1	35
o-Xylene			0.100	0.1070		mg/Kg		107	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-43097-4 MS — **Client Sample ID: H-4 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79999 — **Prep Batch: 80080**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00206		0.100	0.09294		mg/Kg		91	70 - 130
Toluene	0.0147		0.100	0.1009		mg/Kg		86	70 - 130
Ethylbenzene	0.00562		0.100	0.09936		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.0194		0.200	0.2110		mg/Kg		96	70 - 130
o-Xylene	0.00551		0.100	0.1029		mg/Kg		97	70 - 130

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

Lab Sample ID: 880-43097-4 MSD — **Client Sample ID: H-4 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79999 — **Prep Batch: 80080**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00206		0.100	0.09921		mg/Kg		97	70 - 130	7	35
Toluene	0.0147		0.100	0.1073		mg/Kg		93	70 - 130	6	35
Ethylbenzene	0.00562		0.100	0.1056		mg/Kg		100	70 - 130	6	35
m-Xylene & p-Xylene	0.0194		0.200	0.2250		mg/Kg		103	70 - 130	6	35
o-Xylene	0.00551		0.100	0.1100		mg/Kg		104	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-80086/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79995 — **Prep Batch: 80086**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/06/24 14:55	05/06/24 23:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/06/24 14:55	05/06/24 23:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/06/24 14:55	05/06/24 23:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/06/24 14:55	05/06/24 23:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/06/24 14:55	05/06/24 23:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/06/24 14:55	05/06/24 23:21	1

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	168	S1+	70 - 130	05/06/24 14:55	05/06/24 23:21	1
1,4-Difluorobenzene (Surr)	122		70 - 130	05/06/24 14:55	05/06/24 23:21	1

Lab Sample ID: LCS 880-80086/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79995 — **Prep Batch: 80086**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1052		mg/Kg		105	70 - 130		
Toluene			0.100	0.09795		mg/Kg		98	70 - 130		
Ethylbenzene			0.100	0.1086		mg/Kg		109	70 - 130		
m-Xylene & p-Xylene			0.200	0.2250		mg/Kg		113	70 - 130		
o-Xylene			0.100	0.09918		mg/Kg		99	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-80086/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79995 — **Prep Batch: 80086**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1068		mg/Kg		107	70 - 130	2	35
Toluene			0.100	0.1018		mg/Kg		102	70 - 130	4	35
Ethylbenzene			0.100	0.1086		mg/Kg		109	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.2353		mg/Kg		118	70 - 130	4	35
o-Xylene			0.100	0.1042		mg/Kg		104	70 - 130	5	35

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

Lab Sample ID: 880-43097-15 MS — **Client Sample ID: H- 15 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79995 — **Prep Batch: 80086**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.0237		0.100	0.1045		mg/Kg		81	70 - 130		
Toluene	0.0171		0.100	0.08990		mg/Kg		73	70 - 130		
Ethylbenzene	<0.00202	U	0.100	0.07774		mg/Kg		78	70 - 130		
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1720		mg/Kg		84	70 - 130		
o-Xylene	<0.00202	U	0.100	0.07505		mg/Kg		73	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-15 MSD — **Client Sample ID: H- 15 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79995 — **Prep Batch: 80086**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0237		0.100	0.1037		mg/Kg		80	70 - 130	1	35
Toluene	0.0171		0.100	0.09122		mg/Kg		74	70 - 130	1	35
Ethylbenzene	<0.00202	U	0.100	0.08707		mg/Kg		87	70 - 130	11	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1877		mg/Kg		92	70 - 130	9	35
o-Xylene	<0.00202	U	0.100	0.08295		mg/Kg		81	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: MB 880-80126/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80121 — **Prep Batch: 80126**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/07/24 08:40	05/07/24 15:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/24 08:40	05/07/24 15:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/24 08:40	05/07/24 15:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/07/24 08:40	05/07/24 15:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/24 08:40	05/07/24 15:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/07/24 08:40	05/07/24 15:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/07/24 08:40*	*05/07/24 15:58*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/07/24 08:40*	*05/07/24 15:58*	*1*

Lab Sample ID: LCS 880-80126/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80121 — **Prep Batch: 80126**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09768		mg/Kg		98	70 - 130
Toluene	0.100	0.09641		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.1005		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2055		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1031		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-80126/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80121 — **Prep Batch: 80126**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09396		mg/Kg		94	70 - 130	4	35
Toluene	0.100	0.09482		mg/Kg		95	70 - 130	2	35

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: LCSD 880-80126/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80121 — **Prep Batch: 80126**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			0.100	0.09960		mg/Kg		100	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2015		mg/Kg		101	70 - 130	2	35
o-Xylene			0.100	0.1012		mg/Kg		101	70 - 130	2	35

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

Lab Sample ID: 880-43097-1 MS — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80121 — **Prep Batch: 80126**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09760		mg/Kg		98	70 - 130
Toluene	<0.00201	U	0.100	0.09617		mg/Kg		96	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.1003		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2047		mg/Kg		101	70 - 130
o-Xylene	<0.00201	U	0.100	0.1037		mg/Kg		104	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-43097-1 MSD — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80121 — **Prep Batch: 80126**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09773		mg/Kg		98	70 - 130	0	35
Toluene	<0.00201	U	0.100	0.09653		mg/Kg		97	70 - 130	0	35
Ethylbenzene	<0.00201	U	0.100	0.1012		mg/Kg		100	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2067		mg/Kg		102	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.1044		mg/Kg		104	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-79993/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80020 — **Prep Batch: 79993**

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		05/06/24 08:29	05/06/24 12:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/06/24 08:29	05/06/24 12:05	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: MB 880-79993/1-A
Matrix: Solid
Analysis Batch: 80020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/06/24 08:29	05/06/24 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*05/06/24 08:29*	*05/06/24 12:05*	*1*
o-Terphenyl	*87*		*70 - 130*	*05/06/24 08:29*	*05/06/24 12:05*	*1*

Lab Sample ID: LCS 880-79993/2-A
Matrix: Solid
Analysis Batch: 80020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79993

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	856.6		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	779.1		mg/Kg		78	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Lab Sample ID: LCSD 880-79993/3-A
Matrix: Solid
Analysis Batch: 80020

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79993

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	857.5		mg/Kg		86	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	788.5		mg/Kg		79	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*87*		*70 - 130*

Lab Sample ID: 890-6596-A-1-B MS
Matrix: Solid
Analysis Batch: 80020

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 79993

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	763.9		mg/Kg		76	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	705.3		mg/Kg		71	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 890-6596-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80020 — **Prep Batch: 79993**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	772.4		mg/Kg		77	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	757.6		mg/Kg		76	70 - 130	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Lab Sample ID: MB 880-80099/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80181 — **Prep Batch: 80099**

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		05/06/24 15:26	05/07/24 10:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/06/24 15:26	05/07/24 10:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/06/24 15:26	05/07/24 10:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/06/24 15:26*	*05/07/24 10:40*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/06/24 15:26*	*05/07/24 10:40*	*1*

Lab Sample ID: MB 880-80099/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80218 — **Prep Batch: 80099**

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		05/06/24 15:26	05/08/24 09:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/06/24 15:26	05/08/24 09:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/06/24 15:26	05/08/24 09:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*05/06/24 15:26*	*05/08/24 09:43*	*1*
o-Terphenyl	*121*		*70 - 130*	*05/06/24 15:26*	*05/08/24 09:43*	*1*

Lab Sample ID: LCS 880-80099/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80181 — **Prep Batch: 80099**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	935.4		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	803.4		mg/Kg		80	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: LCS 880-80099/2-A
Matrix: Solid
Analysis Batch: 80181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80099

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: LCS 880-80099/2-A
Matrix: Solid
Analysis Batch: 80218

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80099

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1057		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1059		mg/Kg		106	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: LCSD 880-80099/3-A
Matrix: Solid
Analysis Batch: 80181

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80099

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	880.4		mg/Kg		88	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	790.6		mg/Kg		79	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: LCSD 880-80099/3-A
Matrix: Solid
Analysis Batch: 80218

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80099

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1078		mg/Kg		108	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1142		mg/Kg		114	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	109		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-1 MS — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80181 — **Prep Batch: 80099**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	1000	677.0	F1	mg/Kg		68	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	696.7	F1	mg/Kg		68	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Lab Sample ID: 880-43097-1 MSD — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80181 — **Prep Batch: 80099**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	1000	703.7		mg/Kg		70	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	711.0	F1	mg/Kg		69	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: 880-43097-11 MS — **Client Sample ID: H- 11 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80218 — **Prep Batch: 80099**

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	999	993.9		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1	999	576.3	F1	mg/Kg		58	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*79*		*70 - 130*
o-Terphenyl	*74*		*70 - 130*

Lab Sample ID: 880-43097-11 MSD — **Client Sample ID: H- 11 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80218 — **Prep Batch: 80099**

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	998	905.5		mg/Kg		89	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	549.3	F1	mg/Kg		55	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-11 MSD
Matrix: Solid
Analysis Batch: 80218

Client Sample ID: H- 11 (0-0.5')
Prep Type: Total/NA
Prep Batch: 80099

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	71		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-80078/1-A
Matrix: Solid
Analysis Batch: 80088

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			05/06/24 18:21	1

Lab Sample ID: LCS 880-80078/2-A
Matrix: Solid
Analysis Batch: 80088

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	241.8		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-80078/3-A
Matrix: Solid
Analysis Batch: 80088

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	241.6		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-43097-1 MS
Matrix: Solid
Analysis Batch: 80088

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	7.58		250	253.6		mg/Kg		99	90 - 110		

Lab Sample ID: 880-43097-1 MSD
Matrix: Solid
Analysis Batch: 80088

Client Sample ID: H-1 (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	7.58		250	253.7		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-43097-11 MS
Matrix: Solid
Analysis Batch: 80088

Client Sample ID: H- 11 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<4.98	U	249	246.2		mg/Kg		98	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-43097-11 MSD
Matrix: Solid
Analysis Batch: 80088

Client Sample ID: H- 11 (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	<4.98	U	249	245.8		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

GC VOA

Analysis Batch: 79995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-2	H- 2 (0-0.5')	Total/NA	Solid	8021B	80010
880-43097-3	H- 3 (0-0.5')	Total/NA	Solid	8021B	80010
880-43097-14	H- 14 (0-0.5')	Total/NA	Solid	8021B	80086
880-43097-15	H- 15 (0-0.5')	Total/NA	Solid	8021B	80086
880-43097-16	H- 16 (0-0.5')	Total/NA	Solid	8021B	80086
880-43097-17	H- 17 (0-0.5')	Total/NA	Solid	8021B	80086
880-43097-18	H- 18 (0-0.5')	Total/NA	Solid	8021B	80086
880-43097-19	H- 19 (0-0.5')	Total/NA	Solid	8021B	80086
MB 880-80010/5-A	Method Blank	Total/NA	Solid	8021B	80010
MB 880-80086/5-A	Method Blank	Total/NA	Solid	8021B	80086
LCS 880-80010/1-A	Lab Control Sample	Total/NA	Solid	8021B	80010
LCS 880-80086/1-A	Lab Control Sample	Total/NA	Solid	8021B	80086
LCSD 880-80010/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80010
LCSD 880-80086/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80086
880-43097-15 MS	H- 15 (0-0.5')	Total/NA	Solid	8021B	80086
880-43097-15 MSD	H- 15 (0-0.5')	Total/NA	Solid	8021B	80086

Analysis Batch: 79999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-4	H-4 (0-0.5')	Total/NA	Solid	8021B	80080
880-43097-5	H- 5 (0-0.5')	Total/NA	Solid	8021B	80080
880-43097-6	H- 6 (0-0.5')	Total/NA	Solid	8021B	80080
880-43097-7	H- 7 (0-0.5')	Total/NA	Solid	8021B	80080
880-43097-8	H- 8 (0-0.5')	Total/NA	Solid	8021B	80080
880-43097-9	H-9 (0-0.5')	Total/NA	Solid	8021B	80080
880-43097-10	H- 10 (0-0.5')	Total/NA	Solid	8021B	80080
880-43097-11	H- 11 (0-0.5')	Total/NA	Solid	8021B	80080
880-43097-12	H- 12 (0-0.5')	Total/NA	Solid	8021B	80080
880-43097-13	H-13 (0-0.5')	Total/NA	Solid	8021B	80080
880-43097-14	H- 14 (0-0.5')	Total/NA	Solid	8021B	80080
MB 880-79999/8	Method Blank	Total/NA	Solid	8021B	
MB 880-80080/5-A	Method Blank	Total/NA	Solid	8021B	80080
LCS 880-80080/1-A	Lab Control Sample	Total/NA	Solid	8021B	80080
LCSD 880-80080/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80080
880-43097-4 MS	H-4 (0-0.5')	Total/NA	Solid	8021B	80080
880-43097-4 MSD	H-4 (0-0.5')	Total/NA	Solid	8021B	80080

Prep Batch: 80010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-2	H- 2 (0-0.5')	Total/NA	Solid	5035	
880-43097-3	H- 3 (0-0.5')	Total/NA	Solid	5035	
MB 880-80010/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80010/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80010/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 80080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-43097-5	H- 5 (0-0.5')	Total/NA	Solid	5035	
880-43097-6	H- 6 (0-0.5')	Total/NA	Solid	5035	
880-43097-7	H- 7 (0-0.5')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

GC VOA (Continued)

Prep Batch: 80080 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-8	H- 8 (0-0.5')	Total/NA	Solid	5035	
880-43097-9	H-9 (0-0.5')	Total/NA	Solid	5035	
880-43097-10	H- 10 (0-0.5')	Total/NA	Solid	5035	
880-43097-11	H- 11 (0-0.5')	Total/NA	Solid	5035	
880-43097-12	H- 12 (0-0.5')	Total/NA	Solid	5035	
880-43097-13	H-13 (0-0.5')	Total/NA	Solid	5035	
880-43097-14	H- 14 (0-0.5')	Total/NA	Solid	5035	
MB 880-80080/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80080/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80080/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43097-4 MS	H-4 (0-0.5')	Total/NA	Solid	5035	
880-43097-4 MSD	H-4 (0-0.5')	Total/NA	Solid	5035	

Prep Batch: 80086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-14	H- 14 (0-0.5')	Total/NA	Solid	5035	
880-43097-15	H- 15 (0-0.5')	Total/NA	Solid	5035	
880-43097-16	H- 16 (0-0.5')	Total/NA	Solid	5035	
880-43097-17	H- 17 (0-0.5')	Total/NA	Solid	5035	
880-43097-18	H- 18 (0-0.5')	Total/NA	Solid	5035	
880-43097-19	H- 19 (0-0.5')	Total/NA	Solid	5035	
MB 880-80086/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80086/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80086/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43097-15 MS	H- 15 (0-0.5')	Total/NA	Solid	5035	
880-43097-15 MSD	H- 15 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 80121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-1	H-1 (0-0.5')	Total/NA	Solid	8021B	80126
MB 880-80126/5-A	Method Blank	Total/NA	Solid	8021B	80126
LCS 880-80126/1-A	Lab Control Sample	Total/NA	Solid	8021B	80126
LCSD 880-80126/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80126
880-43097-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	80126
880-43097-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	80126

Prep Batch: 80126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-1	H-1 (0-0.5')	Total/NA	Solid	5035	
MB 880-80126/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80126/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80126/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43097-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-43097-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 80151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-2	H- 2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-3	H- 3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

GC VOA (Continued)

Analysis Batch: 80151 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-5	H- 5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-6	H- 6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-7	H- 7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-8	H- 8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-10	H- 10 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-11	H- 11 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-12	H- 12 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-13	H-13 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-14	H- 14 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-15	H- 15 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-16	H- 16 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-17	H- 17 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-18	H- 18 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43097-19	H- 19 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 79993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-15	H- 15 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-16	H- 16 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-17	H- 17 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-18	H- 18 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-19	H- 19 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-79993/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-79993/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-79993/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6596-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6596-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 80020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-15	H- 15 (0-0.5')	Total/NA	Solid	8015B NM	79993
880-43097-16	H- 16 (0-0.5')	Total/NA	Solid	8015B NM	79993
880-43097-17	H- 17 (0-0.5')	Total/NA	Solid	8015B NM	79993
880-43097-18	H- 18 (0-0.5')	Total/NA	Solid	8015B NM	79993
880-43097-19	H- 19 (0-0.5')	Total/NA	Solid	8015B NM	79993
MB 880-79993/1-A	Method Blank	Total/NA	Solid	8015B NM	79993
LCS 880-79993/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	79993
LCSD 880-79993/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	79993
890-6596-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	79993
890-6596-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	79993

Prep Batch: 80099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-2	H- 2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-3	H- 3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-5	H- 5 (0-0.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 80099 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-6	H- 6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-7	H- 7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-8	H- 8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-10	H- 10 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-11	H- 11 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-12	H- 12 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-13	H-13 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-14	H- 14 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-80099/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80099/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80099/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43097-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-11 MS	H- 11 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43097-11 MSD	H- 11 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 80166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-2	H- 2 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-3	H- 3 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-5	H- 5 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-6	H- 6 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-7	H- 7 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-8	H- 8 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-10	H- 10 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-11	H- 11 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-12	H- 12 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-13	H-13 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-14	H- 14 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-15	H- 15 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-16	H- 16 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-17	H- 17 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-18	H- 18 (0-0.5')	Total/NA	Solid	8015 NM	
880-43097-19	H- 19 (0-0.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 80181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-2	H- 2 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-3	H- 3 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-5	H- 5 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-6	H- 6 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-7	H- 7 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-8	H- 8 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-10	H- 10 (0-0.5')	Total/NA	Solid	8015B NM	80099

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 80181 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-80099/1-A	Method Blank	Total/NA	Solid	8015B NM	80099
LCS 880-80099/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80099
LCSD 880-80099/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80099
880-43097-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	80099

Analysis Batch: 80218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-11	H- 11 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-12	H- 12 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-13	H-13 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-14	H- 14 (0-0.5')	Total/NA	Solid	8015B NM	80099
MB 880-80099/1-A	Method Blank	Total/NA	Solid	8015B NM	80099
LCS 880-80099/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80099
LCSD 880-80099/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80099
880-43097-11 MS	H- 11 (0-0.5')	Total/NA	Solid	8015B NM	80099
880-43097-11 MSD	H- 11 (0-0.5')	Total/NA	Solid	8015B NM	80099

HPLC/IC

Leach Batch: 80078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-2	H- 2 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-3	H- 3 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-5	H- 5 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-6	H- 6 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-7	H- 7 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-8	H- 8 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-10	H- 10 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-11	H- 11 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-12	H- 12 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-13	H-13 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-14	H- 14 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-15	H- 15 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-16	H- 16 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-17	H- 17 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-18	H- 18 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-19	H- 19 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-80078/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80078/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80078/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43097-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-11 MS	H- 11 (0-0.5')	Soluble	Solid	DI Leach	
880-43097-11 MSD	H- 11 (0-0.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

HPLC/IC

Analysis Batch: 80088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43097-1	H-1 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-2	H- 2 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-3	H- 3 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-4	H-4 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-5	H- 5 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-6	H- 6 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-7	H- 7 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-8	H- 8 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-9	H-9 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-10	H- 10 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-11	H- 11 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-12	H- 12 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-13	H-13 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-14	H- 14 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-15	H- 15 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-16	H- 16 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-17	H- 17 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-18	H- 18 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-19	H- 19 (0-0.5')	Soluble	Solid	300.0	80078
MB 880-80078/1-A	Method Blank	Soluble	Solid	300.0	80078
LCS 880-80078/2-A	Lab Control Sample	Soluble	Solid	300.0	80078
LCSD 880-80078/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80078
880-43097-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-11 MS	H- 11 (0-0.5')	Soluble	Solid	300.0	80078
880-43097-11 MSD	H- 11 (0-0.5')	Soluble	Solid	300.0	80078

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-1
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80126	05/07/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80121	05/07/24 16:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/07/24 16:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/07/24 14:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80181	05/07/24 14:39	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 18:40	SMC	EET MID

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

Lab Sample ID: 880-43097-2
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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	80010	05/06/24 17:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79995	05/06/24 19:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/06/24 19:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/07/24 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80181	05/07/24 15:23	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 18:58	SMC	EET MID

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

Lab Sample ID: 880-43097-3
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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	80010	05/06/24 17:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79995	05/06/24 19:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/06/24 19:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/07/24 15:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80181	05/07/24 15:38	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 19:04	SMC	EET MID

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

Lab Sample ID: 880-43097-4
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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	80080	05/06/24 14:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79999	05/06/24 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/06/24 18:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-4
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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			80166	05/07/24 15:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80181	05/07/24 15:52	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 19:11	SMC	EET MID

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

Lab Sample ID: 880-43097-5
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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	80080	05/06/24 14:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79999	05/06/24 23:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/06/24 23:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/07/24 16:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80181	05/07/24 16:07	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 19:17	SMC	EET MID

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

Lab Sample ID: 880-43097-6
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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	80080	05/06/24 14:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79999	05/06/24 23:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/06/24 23:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/07/24 16:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80181	05/07/24 16:21	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 19:35	SMC	EET MID

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

Lab Sample ID: 880-43097-7
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80080	05/06/24 14:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79999	05/06/24 23:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/06/24 23:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/07/24 16:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80181	05/07/24 16:36	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Lab Sample ID: 880-43097-7
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

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	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 19:41	SMC	EET MID

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

Lab Sample ID: 880-43097-8
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

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	80080	05/06/24 14:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79999	05/07/24 00:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/07/24 00:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/07/24 16:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80181	05/07/24 16:51	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 19:47	SMC	EET MID

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

Lab Sample ID: 880-43097-9
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80080	05/06/24 14:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79999	05/07/24 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/07/24 00:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/07/24 17:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80181	05/07/24 17:05	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 19:54	SMC	EET MID

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

Lab Sample ID: 880-43097-10
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

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	80080	05/06/24 14:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79999	05/07/24 00:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/07/24 00:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/07/24 17:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80181	05/07/24 17:20	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 20:00	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Client Sample ID: H- 11 (0-0.5')

Lab Sample ID: 880-43097-11
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	80080	05/06/24 14:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79999	05/07/24 01:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/07/24 01:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/08/24 12:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80218	05/08/24 12:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 20:06	SMC	EET MID

Client Sample ID: H- 12 (0-0.5')

Lab Sample ID: 880-43097-12
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

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	80080	05/06/24 14:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79999	05/07/24 01:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/07/24 01:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/08/24 13:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80218	05/08/24 13:14	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 20:24	SMC	EET MID

Client Sample ID: H-13 (0-0.5')

Lab Sample ID: 880-43097-13
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

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	80080	05/06/24 14:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79999	05/07/24 01:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/07/24 01:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/08/24 13:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80218	05/08/24 13:34	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 20:31	SMC	EET MID

Client Sample ID: H- 14 (0-0.5')

Lab Sample ID: 880-43097-14
Date Collected: 05/03/24 00:00
Matrix: Solid
Date Received: 05/06/24 14:19

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	80086	05/06/24 14:55	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	79995	05/07/24 08:42	MNR	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Client Sample ID: H- 14 (0-0.5')

Lab Sample ID: 880-43097-14
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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	80080	05/06/24 14:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79999	05/07/24 02:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/07/24 08:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/08/24 13:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80099	05/06/24 15:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80218	05/08/24 13:55	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 20:49	SMC	EET MID

Client Sample ID: H- 15 (0-0.5')

Lab Sample ID: 880-43097-15
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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	80086	05/06/24 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79995	05/06/24 23:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/06/24 23:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/06/24 20:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	79993	05/06/24 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80020	05/06/24 20:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 20:55	SMC	EET MID

Client Sample ID: H- 16 (0-0.5')

Lab Sample ID: 880-43097-16
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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	80086	05/06/24 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79995	05/07/24 00:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/07/24 00:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/06/24 21:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	79993	05/06/24 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80020	05/06/24 21:09	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 21:01	SMC	EET MID

Client Sample ID: H- 17 (0-0.5')

Lab Sample ID: 880-43097-17
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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	80086	05/06/24 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79995	05/07/24 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/07/24 00:31	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Client Sample ID: H- 17 (0-0.5')

Lab Sample ID: 880-43097-17
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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			80166	05/06/24 21:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	79993	05/06/24 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80020	05/06/24 21:26	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 21:07	SMC	EET MID

Client Sample ID: H- 18 (0-0.5')

Lab Sample ID: 880-43097-18
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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	80086	05/06/24 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79995	05/07/24 00:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/07/24 00:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/06/24 21:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79993	05/06/24 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80020	05/06/24 21:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 21:14	SMC	EET MID

Client Sample ID: H- 19 (0-0.5')

Lab Sample ID: 880-43097-19
Matrix: Solid
Date Collected: 05/03/24 00:00
Date Received: 05/06/24 14:19

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	80086	05/06/24 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79995	05/07/24 01:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80151	05/07/24 01:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			80166	05/06/24 21:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	79993	05/06/24 08:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80020	05/06/24 21:58	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80078	05/06/24 14:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80088	05/06/24 21:20	SMC	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: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-43097-1
SDG: (05.01.2024) Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-43097-1	H-1 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-2	H- 2 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-3	H- 3 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-4	H-4 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-5	H- 5 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-6	H- 6 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-7	H- 7 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-8	H- 8 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-9	H-9 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-10	H- 10 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-11	H- 11 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-12	H- 12 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-13	H-13 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-14	H- 14 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-15	H- 15 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-16	H- 16 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-17	H- 17 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-18	H- 18 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19
880-43097-19	H- 19 (0-0.5')	Solid	05/03/24 00:00	05/06/24 14:19

Released to Imaging: 10/22/2024 11:31:47 AM

Received by OCD: 9/23/2024 12:57:12 PM

Worl

880-43097 Chain of Custody

Page ___1___ of ___2___

Project Manager	Ashton Thielke	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address.	310 West Wall Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone.	432-813-8988 Email	thielkea@carmonaresources.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Uracas 8 (05 01.2024)	Turn Around	
Project Number	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date	72 hrs
Sampler's Name.	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID	
Cooler Custody Seals	Yes No N/A	Correction Factor	
Sample Custody Seals:	Yes No N/A	Temperature Reading	2.4
Total Containers		Corrected Temperature	2.3

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL. HC HNO_3 HN

H_2SO_4. H_2 NaOH Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
H-1 (0-0.5')	5/3/2024		X		G	1	X	X	X		
H-2 (0-0 5')	5/3/2024		X		G	1	X	X	X		
H-3 (0-0.5')	5/3/2024		X		G	1	X	X	X		
H-4 (0-0.5')	5/3/2024		X		G	1	X	X	X		
H-5 (0-0.5')	5/3/2024		X		G	1	X	X	X		
H-6 (0-0.5')	5/3/2024		X		G	1	X	X	X		
H-7 (0-0.5')	5/3/2024		X		G	1	X	X	X		
H-8 (0-0.5')	5/3/2024		X		G	1	X	X	X		
H-9 (0-0.5')	5/3/2024		X		G	1	X	X	X		
H-10 (0-0.5')	5/3/2024		X		G	1	X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		5/9/24 1400	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Work Order No: 430917

Project Manager	Ashton Thielke	Bill to. (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address.	310 West Wall Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone:	432-813-8988	Email	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Uracas 8 (05.01.2024)	Turn Around	
Project Number	2362	☐ Routine	☑ Rush
Project Location	Lea County, NM	Due Date	72 hrs
Sampler's Name	GPJ		
PO #:			

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

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2SO_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
H-11 (0-0.5')	5/3/2024		X		G	1		X	X	X		
H-12 (0-0 5')	5/3/2024		X		G	1		X	X	X		
H-13 (0-0 5')	5/3/2024		X		G	1		X	X	X		
H-14 (0-0.5')	5/3/2024		X		G	1		X	X	X		
H-15 (0-0.5')	5/3/2024		X		G	1		X	X	X		
H-16 (0-0 5')	5/3/2024		X		G	1		X	X	X		
H-17 (0-0 5')	5/3/2024		X		G	1		X	X	X		
H-18 (0-0.5')	5/3/2024		X		G	1		X	X	X		
H-19 (0-0 5')	5/3/2024		X		G	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		5/9/24 1400	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-43097-1
SDG Number: (05.01.2024) Lea County, NM

Login Number: 43097
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/28/2024 2:43:12 PM

JOB DESCRIPTION

Uracas 8 (5.01.2024)
Lea County, NM

JOB NUMBER

880-45359-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 10/22/2024 11:31:47 AM

my EOL

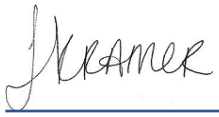
Eurofins Midland

Job Notes

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

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

Authorization



Generated
6/28/2024 2:43:12 PM

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

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Laboratory Job ID: 880-45359-1
SDG: Lea County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 10
QC Sample Results 11
QC Association Summary 15
Lab Chronicle 17
Certification Summary 19
Method Summary 20
Sample Summary 21
Chain of Custody 22
Receipt Checklists 23

Definitions/Glossary

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: Uracas 8 (5.01.2024)

Job ID: 880-45359-1

Job ID: 880-45359-1 Eurofins Midland

Job Narrative
880-45359-1

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

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

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

Receipt
The samples were received on 6/27/2024 2:45 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 5.5°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (5.0') (880-45359-1), CS-2 (5.0') (880-45359-2), SW-1 (5.0') (880-45359-3), SW-2 (5.0') (880-45359-4) and SW-3 (5.0') (880-45359-5).

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84376 and analytical batch 880-84437 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-1 (5.0') (880-45359-1), SW-1 (5.0') (880-45359-3), SW-2 (5.0') (880-45359-4), SW-3 (5.0') (880-45359-5), (MB 880-84376/1-A), (880-45332-A-67-D MS) and (880-45332-A-67-E MSD). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

Client Sample ID: CS-1 (5.0')

Date Collected: 06/26/24 00:00
Date Received: 06/27/24 14:45

Lab Sample ID: 880-45359-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/27/24 15:28	06/28/24 11:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/27/24 15:28	06/28/24 11:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/27/24 15:28	06/28/24 11:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/27/24 15:28	06/28/24 11:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/27/24 15:28	06/28/24 11:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/27/24 15:28	06/28/24 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/27/24 15:28*	*06/28/24 11:41*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/27/24 15:28*	*06/28/24 11:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/28/24 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/28/24 12:17	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		06/27/24 14:29	06/28/24 12:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/24 14:29	06/28/24 12:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/27/24 14:29	06/28/24 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*06/27/24 14:29*	*06/28/24 12:17*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/27/24 14:29*	*06/28/24 12:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.1**		4.98		mg/Kg			06/28/24 00:17	1

Client Sample ID: CS-2 (5.0')

Date Collected: 06/26/24 00:00
Date Received: 06/27/24 14:45

Lab Sample ID: 880-45359-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/27/24 15:28	06/28/24 12:02	1
Toluene	**0.0132**		0.00201		mg/Kg		06/27/24 15:28	06/28/24 12:02	1
Ethylbenzene	**0.00314**		0.00201		mg/Kg		06/27/24 15:28	06/28/24 12:02	1
m-Xylene & p-Xylene	**0.0147**		0.00402		mg/Kg		06/27/24 15:28	06/28/24 12:02	1
o-Xylene	**0.00478**		0.00201		mg/Kg		06/27/24 15:28	06/28/24 12:02	1
Xylenes, Total	**0.0195**		0.00402		mg/Kg		06/27/24 15:28	06/28/24 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/27/24 15:28*	*06/28/24 12:02*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/27/24 15:28*	*06/28/24 12:02*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

Client Sample ID: CS-2 (5.0')

Lab Sample ID: 880-45359-2
Matrix: Solid
Date Collected: 06/26/24 00:00
Date Received: 06/27/24 14:45

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0358**		0.00402		mg/Kg			06/28/24 12:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**80.4**		49.7		mg/Kg			06/28/24 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/27/24 14:29	06/28/24 12:37	1
Diesel Range Organics (Over C10-C28)	**80.4**		49.7		mg/Kg		06/27/24 14:29	06/28/24 12:37	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/27/24 14:29	06/28/24 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*06/27/24 14:29*	*06/28/24 12:37*	*1*
o-Terphenyl	*93*		*70 - 130*	*06/27/24 14:29*	*06/28/24 12:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**41.1**		4.98		mg/Kg			06/28/24 00:35	1

Client Sample ID: SW-1 (5.0')

Lab Sample ID: 880-45359-3
Matrix: Solid
Date Collected: 06/26/24 00:00
Date Received: 06/27/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/27/24 15:28	06/28/24 12:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/27/24 15:28	06/28/24 12:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/27/24 15:28	06/28/24 12:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/27/24 15:28	06/28/24 12:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/27/24 15:28	06/28/24 12:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/27/24 15:28	06/28/24 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*06/27/24 15:28*	*06/28/24 12:22*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/27/24 15:28*	*06/28/24 12:22*	*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			06/28/24 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/28/24 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/27/24 14:29	06/28/24 12:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/27/24 14:29	06/28/24 12:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

Client Sample ID: SW-1 (5.0')

Lab Sample ID: 880-45359-3
Matrix: Solid
Date Collected: 06/26/24 00:00
Date Received: 06/27/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/27/24 14:29	06/28/24 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*06/27/24 14:29*	*06/28/24 12:58*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*06/27/24 14:29*	*06/28/24 12:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.0**		5.02		mg/Kg			06/28/24 00:40	1

Client Sample ID: SW-2 (5.0')

Lab Sample ID: 880-45359-4
Matrix: Solid
Date Collected: 06/26/24 00:00
Date Received: 06/27/24 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/27/24 15:28	06/28/24 12:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/27/24 15:28	06/28/24 12:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/27/24 15:28	06/28/24 12:43	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/27/24 15:28	06/28/24 12:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/27/24 15:28	06/28/24 12:43	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/27/24 15:28	06/28/24 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/27/24 15:28*	*06/28/24 12:43*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/27/24 15:28*	*06/28/24 12:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/28/24 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/28/24 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/27/24 14:29	06/28/24 13:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/24 14:29	06/28/24 13:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/27/24 14:29	06/28/24 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*S1-*	*70 - 130*	*06/27/24 14:29*	*06/28/24 13:19*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*06/27/24 14:29*	*06/28/24 13:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.6**		4.97		mg/Kg			06/28/24 00:46	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

Client Sample ID: SW-3 (5.0')

Date Collected: 06/26/24 00:00
Date Received: 06/27/24 14:45

Lab Sample ID: 880-45359-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/27/24 15:28	06/28/24 13:37	1
Toluene	**0.00756**		0.00201		mg/Kg		06/27/24 15:28	06/28/24 13:37	1
Ethylbenzene	**0.00380**		0.00201		mg/Kg		06/27/24 15:28	06/28/24 13:37	1
m-Xylene & p-Xylene	**0.0202**		0.00402		mg/Kg		06/27/24 15:28	06/28/24 13:37	1
o-Xylene	**0.00826**		0.00201		mg/Kg		06/27/24 15:28	06/28/24 13:37	1
Xylenes, Total	**0.0285**		0.00402		mg/Kg		06/27/24 15:28	06/28/24 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/27/24 15:28*	*06/28/24 13:37*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/27/24 15:28*	*06/28/24 13:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0398**		0.00402		mg/Kg			06/28/24 13:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/28/24 13:40	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	<49.9	U	49.9		mg/Kg		06/27/24 14:29	06/28/24 13:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/27/24 14:29	06/28/24 13:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/27/24 14:29	06/28/24 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*38*	*S1-*	*70 - 130*	*06/27/24 14:29*	*06/28/24 13:40*	*1*
o-Terphenyl	*35*	*S1-*	*70 - 130*	*06/27/24 14:29*	*06/28/24 13:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**41.8**		4.96		mg/Kg			06/28/24 00:52	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-45359-1	CS-1 (5.0')	111	102
880-45359-1 MS	CS-1 (5.0')	106	98
880-45359-1 MSD	CS-1 (5.0')	107	99
880-45359-2	CS-2 (5.0')	108	100
880-45359-3	SW-1 (5.0')	109	101
880-45359-4	SW-2 (5.0')	108	100
880-45359-5	SW-3 (5.0')	111	99
LCS 880-84387/1-A	Lab Control Sample	107	99
LCSD 880-84387/2-A	Lab Control Sample Dup	105	99
MB 880-84387/5-A	Method Blank	105	99

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-45332-A-67-D MS	Matrix Spike	65 S1-	61 S1-
880-45332-A-67-E MSD	Matrix Spike Duplicate	62 S1-	56 S1-
880-45359-1	CS-1 (5.0')	68 S1-	73
880-45359-2	CS-2 (5.0')	90	93
880-45359-3	SW-1 (5.0')	68 S1-	62 S1-
880-45359-4	SW-2 (5.0')	65 S1-	63 S1-
880-45359-5	SW-3 (5.0')	38 S1-	35 S1-
LCS 880-84376/2-A	Lab Control Sample	97	97
LCSD 880-84376/3-A	Lab Control Sample Dup	113	115
MB 880-84376/1-A	Method Blank	136 S1+	149 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-84387/5-A
Matrix: Solid
Analysis Batch: 84447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/27/24 15:28	06/28/24 11:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/24 15:28	06/28/24 11:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/24 15:28	06/28/24 11:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/27/24 15:28	06/28/24 11:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/24 15:28	06/28/24 11:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/27/24 15:28	06/28/24 11:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/27/24 15:28*	*06/28/24 11:19*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/27/24 15:28*	*06/28/24 11:19*	*1*

Lab Sample ID: LCS 880-84387/1-A
Matrix: Solid
Analysis Batch: 84447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84387

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09834		mg/Kg		98	70 - 130		
Toluene			0.100	0.08947		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.08615		mg/Kg		86	70 - 130		
m-Xylene & p-Xylene			0.200	0.1981		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.08936		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-84387/2-A
Matrix: Solid
Analysis Batch: 84447

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84387

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1017		mg/Kg		102	70 - 130	3	35
Toluene			0.100	0.09245		mg/Kg		92	70 - 130	3	35
Ethylbenzene			0.100	0.08938		mg/Kg		89	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2043		mg/Kg		102	70 - 130	3	35
o-Xylene			0.100	0.09191		mg/Kg		92	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-45359-1 MS
Matrix: Solid
Analysis Batch: 84447

Client Sample ID: CS-1 (5.0')
Prep Type: Total/NA
Prep Batch: 84387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0996	0.08736		mg/Kg		88	70 - 130		
Toluene	<0.00199	U	0.0996	0.07942		mg/Kg		80	70 - 130		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

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

Lab Sample ID: 880-45359-1 MS
Matrix: Solid
Analysis Batch: 84447

Client Sample ID: CS-1 (5.0')
Prep Type: Total/NA
Prep Batch: 84387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.07585		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1725		mg/Kg		87	70 - 130
o-Xylene	<0.00199	U	0.0996	0.07616		mg/Kg		76	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-45359-1 MSD
Matrix: Solid
Analysis Batch: 84447

Client Sample ID: CS-1 (5.0')
Prep Type: Total/NA
Prep Batch: 84387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.08438		mg/Kg		84	70 - 130	3	35
Toluene	<0.00199	U	0.101	0.07745		mg/Kg		77	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.101	0.07443		mg/Kg		74	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1698		mg/Kg		84	70 - 130	2	35
o-Xylene	<0.00199	U	0.101	0.07631		mg/Kg		76	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 880-84376/1-A
Matrix: Solid
Analysis Batch: 84437

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/27/24 14:28	06/28/24 08:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/24 14:28	06/28/24 08:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/27/24 14:28	06/28/24 08:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*06/27/24 14:28*	*06/28/24 08:41*	*1*
o-Terphenyl	*149*	*S1+*	*70 - 130*	*06/27/24 14:28*	*06/28/24 08:41*	*1*

Lab Sample ID: LCS 880-84376/2-A
Matrix: Solid
Analysis Batch: 84437

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	992.9		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	985.8		mg/Kg		99	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-84376/2-A
Matrix: Solid
Analysis Batch: 84437

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84376

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

Lab Sample ID: LCSD 880-84376/3-A
Matrix: Solid
Analysis Batch: 84437

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84376

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1011		mg/Kg		101	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	986.1		mg/Kg		99	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: 880-45332-A-67-D MS
Matrix: Solid
Analysis Batch: 84437

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 84376

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	999	362.1	F1	mg/Kg		36	70 - 130
Diesel Range Organics (Over C10-C28)	58.1	F1	999	401.2	F1	mg/Kg		34	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	65	S1-	70 - 130
o-Terphenyl	61	S1-	70 - 130

Lab Sample ID: 880-45332-A-67-E MSD
Matrix: Solid
Analysis Batch: 84437

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 84376

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	999	339.7	F1	mg/Kg		34	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	58.1	F1	999	375.2	F1	mg/Kg		32	70 - 130	7	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	62	S1-	70 - 130
o-Terphenyl	56	S1-	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-84392/1-A
Matrix: Solid
Analysis Batch: 84413

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/27/24 23:59	1

Lab Sample ID: LCS 880-84392/2-A
Matrix: Solid
Analysis Batch: 84413

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	251.7		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-84392/3-A
Matrix: Solid
Analysis Batch: 84413

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	251.2		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-45359-1 MS
Matrix: Solid
Analysis Batch: 84413

Client Sample ID: CS-1 (5.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	43.1		249	279.7		mg/Kg		95	90 - 110		

Lab Sample ID: 880-45359-1 MSD
Matrix: Solid
Analysis Batch: 84413

Client Sample ID: CS-1 (5.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	43.1		249	280.1		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

GC VOA

Prep Batch: 84387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45359-1	CS-1 (5.0')	Total/NA	Solid	5035	
880-45359-2	CS-2 (5.0')	Total/NA	Solid	5035	
880-45359-3	SW-1 (5.0')	Total/NA	Solid	5035	
880-45359-4	SW-2 (5.0')	Total/NA	Solid	5035	
880-45359-5	SW-3 (5.0')	Total/NA	Solid	5035	
MB 880-84387/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84387/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84387/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45359-1 MS	CS-1 (5.0')	Total/NA	Solid	5035	
880-45359-1 MSD	CS-1 (5.0')	Total/NA	Solid	5035	

Analysis Batch: 84447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45359-1	CS-1 (5.0')	Total/NA	Solid	8021B	84387
880-45359-2	CS-2 (5.0')	Total/NA	Solid	8021B	84387
880-45359-3	SW-1 (5.0')	Total/NA	Solid	8021B	84387
880-45359-4	SW-2 (5.0')	Total/NA	Solid	8021B	84387
880-45359-5	SW-3 (5.0')	Total/NA	Solid	8021B	84387
MB 880-84387/5-A	Method Blank	Total/NA	Solid	8021B	84387
LCS 880-84387/1-A	Lab Control Sample	Total/NA	Solid	8021B	84387
LCSD 880-84387/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84387
880-45359-1 MS	CS-1 (5.0')	Total/NA	Solid	8021B	84387
880-45359-1 MSD	CS-1 (5.0')	Total/NA	Solid	8021B	84387

Analysis Batch: 84560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45359-1	CS-1 (5.0')	Total/NA	Solid	Total BTEX	
880-45359-2	CS-2 (5.0')	Total/NA	Solid	Total BTEX	
880-45359-3	SW-1 (5.0')	Total/NA	Solid	Total BTEX	
880-45359-4	SW-2 (5.0')	Total/NA	Solid	Total BTEX	
880-45359-5	SW-3 (5.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 84376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45359-1	CS-1 (5.0')	Total/NA	Solid	8015NM Prep	
880-45359-2	CS-2 (5.0')	Total/NA	Solid	8015NM Prep	
880-45359-3	SW-1 (5.0')	Total/NA	Solid	8015NM Prep	
880-45359-4	SW-2 (5.0')	Total/NA	Solid	8015NM Prep	
880-45359-5	SW-3 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-84376/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84376/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45332-A-67-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-45332-A-67-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 84437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45359-1	CS-1 (5.0')	Total/NA	Solid	8015B NM	84376
880-45359-2	CS-2 (5.0')	Total/NA	Solid	8015B NM	84376

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 84437 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45359-3	SW-1 (5.0')	Total/NA	Solid	8015B NM	84376
880-45359-4	SW-2 (5.0')	Total/NA	Solid	8015B NM	84376
880-45359-5	SW-3 (5.0')	Total/NA	Solid	8015B NM	84376
MB 880-84376/1-A	Method Blank	Total/NA	Solid	8015B NM	84376
LCS 880-84376/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84376
LCSD 880-84376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84376
880-45332-A-67-D MS	Matrix Spike	Total/NA	Solid	8015B NM	84376
880-45332-A-67-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	84376

Analysis Batch: 84559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45359-1	CS-1 (5.0')	Total/NA	Solid	8015 NM	
880-45359-2	CS-2 (5.0')	Total/NA	Solid	8015 NM	
880-45359-3	SW-1 (5.0')	Total/NA	Solid	8015 NM	
880-45359-4	SW-2 (5.0')	Total/NA	Solid	8015 NM	
880-45359-5	SW-3 (5.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 84392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45359-1	CS-1 (5.0')	Soluble	Solid	DI Leach	
880-45359-2	CS-2 (5.0')	Soluble	Solid	DI Leach	
880-45359-3	SW-1 (5.0')	Soluble	Solid	DI Leach	
880-45359-4	SW-2 (5.0')	Soluble	Solid	DI Leach	
880-45359-5	SW-3 (5.0')	Soluble	Solid	DI Leach	
MB 880-84392/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84392/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84392/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45359-1 MS	CS-1 (5.0')	Soluble	Solid	DI Leach	
880-45359-1 MSD	CS-1 (5.0')	Soluble	Solid	DI Leach	

Analysis Batch: 84413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45359-1	CS-1 (5.0')	Soluble	Solid	300.0	84392
880-45359-2	CS-2 (5.0')	Soluble	Solid	300.0	84392
880-45359-3	SW-1 (5.0')	Soluble	Solid	300.0	84392
880-45359-4	SW-2 (5.0')	Soluble	Solid	300.0	84392
880-45359-5	SW-3 (5.0')	Soluble	Solid	300.0	84392
MB 880-84392/1-A	Method Blank	Soluble	Solid	300.0	84392
LCS 880-84392/2-A	Lab Control Sample	Soluble	Solid	300.0	84392
LCSD 880-84392/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84392
880-45359-1 MS	CS-1 (5.0')	Soluble	Solid	300.0	84392
880-45359-1 MSD	CS-1 (5.0')	Soluble	Solid	300.0	84392

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

Client Sample ID: CS-1 (5.0')
Date Collected: 06/26/24 00:00
Date Received: 06/27/24 14:45

Lab Sample ID: 880-45359-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	84387	06/27/24 15:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84447	06/28/24 11:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84560	06/28/24 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84559	06/28/24 12:17	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84376	06/27/24 14:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84437	06/28/24 12:17	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	84392	06/27/24 15:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84413	06/28/24 00:17	CH	EET MID

Client Sample ID: CS-2 (5.0')
Date Collected: 06/26/24 00:00
Date Received: 06/27/24 14:45

Lab Sample ID: 880-45359-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84387	06/27/24 15:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84447	06/28/24 12:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84560	06/28/24 12:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84559	06/28/24 12:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84376	06/27/24 14:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84437	06/28/24 12:37	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	84392	06/27/24 15:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84413	06/28/24 00:35	CH	EET MID

Client Sample ID: SW-1 (5.0')
Date Collected: 06/26/24 00:00
Date Received: 06/27/24 14:45

Lab Sample ID: 880-45359-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	84387	06/27/24 15:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84447	06/28/24 12:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84560	06/28/24 12:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84559	06/28/24 12:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84376	06/27/24 14:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84437	06/28/24 12:58	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	84392	06/27/24 15:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84413	06/28/24 00:40	CH	EET MID

Client Sample ID: SW-2 (5.0')
Date Collected: 06/26/24 00:00
Date Received: 06/27/24 14:45

Lab Sample ID: 880-45359-4
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			5.04 g	5 mL	84387	06/27/24 15:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84447	06/28/24 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84560	06/28/24 12:43	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

Client Sample ID: SW-2 (5.0')

Lab Sample ID: 880-45359-4
Matrix: Solid
Date Collected: 06/26/24 00:00
Date Received: 06/27/24 14:45

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			84559	06/28/24 13:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84376	06/27/24 14:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84437	06/28/24 13:19	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	84392	06/27/24 15:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84413	06/28/24 00:46	CH	EET MID

Client Sample ID: SW-3 (5.0')

Lab Sample ID: 880-45359-5
Matrix: Solid
Date Collected: 06/26/24 00:00
Date Received: 06/27/24 14:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84387	06/27/24 15:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84447	06/28/24 13:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84560	06/28/24 13:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			84559	06/28/24 13:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84376	06/27/24 14:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84437	06/28/24 13:40	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	84392	06/27/24 15:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84413	06/28/24 00:52	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: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Uracas 8 (5.01.2024)

Job ID: 880-45359-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-45359-1	CS-1 (5.0')	Solid	06/26/24 00:00	06/27/24 14:45
880-45359-2	CS-2 (5.0')	Solid	06/26/24 00:00	06/27/24 14:45
880-45359-3	SW-1 (5.0')	Solid	06/26/24 00:00	06/27/24 14:45
880-45359-4	SW-2 (5.0')	Solid	06/26/24 00:00	06/27/24 14:45
880-45359-5	SW-3 (5.0')	Solid	06/26/24 00:00	06/27/24 14:45

Page 312 of 702

Chain of Custody

Wc

880-45359 Chain of Custody

6/28/2024

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR4
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.6
Total Containers:		Corrected Temperature:	5.5

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-1 (5.0')	6/26/2024		X		C	1		X	X	X		
CS-2 (5.0')	6/26/2024		X		C	1		X	X	X		
SW-1 (5.0')	6/26/2024		X		C	1		X	X	X		
SW-2 (5.0')	6/26/2024		X		C	1		X	X	X		
SW-3 (5.0')	6/26/2024		X		C	1		X	X	X		

Parameters

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Ivan Ramos @ 14'45		6/27/24 1445	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-45359-1
SDG Number: Lea County, NM

Login Number: 45359
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/1/2024 11:09:03 AM

JOB DESCRIPTION

Uracas 8 (05.01.2024)
lea County, NM

JOB NUMBER

880-45367-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 10/22/2024 11:31:47 AM

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
7/1/2024 11:09:03 AM

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
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
Receipt Checklists 30

Released to Imaging: 10/22/2024 11:31:47 AM

Definitions/Glossary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: Uracas 8 (05.01.2024)

Job ID: 880-45367-1

Job ID: 880-45367-1 Eurofins Midland

Job Narrative
880-45367-1

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

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

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

Receipt
The samples were received on 6/28/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-3 (11') (880-45367-1), CS-4 (11') (880-45367-2), CS-5 (5.0') (880-45367-3), CS-6 (5.0') (880-45367-4), SW-4 (11') (880-45367-5), SW-5 (11') (880-45367-6), SW-6 (11') (880-45367-7), SW-7 (5.0') (880-45367-8), SW-8 (5.0') (880-45367-9) and SW-9 (5.0') (880-45367-10).

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

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-84452 and analytical batch 880-84435 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84452 and analytical batch 880-84435 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The Chloride matrix spike duplicate (MSD) recoveries for preparation batch 880-84455 and analytical batch 880-84503 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

The associated samples are: CS-3 (11') (880-45367-1), CS-4 (11') (880-45367-2), CS-5 (5.0') (880-45367-3), CS-6 (5.0') (880-45367-4), SW-4 (11') (880-45367-5), SW-5 (11') (880-45367-6), SW-6 (11') (880-45367-7), SW-7 (5.0') (880-45367-8), SW-8 (5.0') (880-45367-9), SW-9 (5.0') (880-45367-10) and (880-45367-A-1-F MSD).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84455 and analytical batch 880-84503 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.

The associated sample is: SW-4 (11') (880-45367-5).

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

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Client Sample ID: CS-3 (11')

Lab Sample ID: 880-45367-1
Date Collected: 06/27/24 00:00
Matrix: Solid
Date Received: 06/28/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 01:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 01:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 01:05	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/28/24 10:07	06/29/24 01:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 01:05	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/28/24 10:07	06/29/24 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/28/24 10:07*	*06/29/24 01:05*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/28/24 10:07*	*06/29/24 01:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/29/24 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/28/24 11:14	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	<49.9	U	49.9		mg/Kg		06/28/24 08:39	06/28/24 11:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		06/28/24 08:39	06/28/24 11:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/28/24 08:39	06/28/24 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*06/28/24 08:39*	*06/28/24 11:14*	*1*
o-Terphenyl	*110*		*70 - 130*	*06/28/24 08:39*	*06/28/24 11:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**96.2**	**F1**	4.97		mg/Kg			06/29/24 02:48	1

Client Sample ID: CS-4 (11')

Lab Sample ID: 880-45367-2
Date Collected: 06/27/24 00:00
Matrix: Solid
Date Received: 06/28/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 01:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 01:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 01:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/28/24 10:07	06/29/24 01:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 01:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/28/24 10:07	06/29/24 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/28/24 10:07*	*06/29/24 01:25*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/28/24 10:07*	*06/29/24 01:25*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Client Sample ID: CS-4 (11')

Lab Sample ID: 880-45367-2
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/29/24 01:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/28/24 12:17	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	<49.8	U	49.8		mg/Kg		06/28/24 08:39	06/28/24 12:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/28/24 08:39	06/28/24 12:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/28/24 08:39	06/28/24 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*06/28/24 08:39*	*06/28/24 12:17*	*1*
o-Terphenyl	*101*		*70 - 130*	*06/28/24 08:39*	*06/28/24 12:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.0**		4.97		mg/Kg			06/29/24 03:06	1

Client Sample ID: CS-5 (5.0')

Lab Sample ID: 880-45367-3
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 01:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 01:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 01:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/28/24 10:07	06/29/24 01:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 01:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/28/24 10:07	06/29/24 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/28/24 10:07*	*06/29/24 01:46*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/28/24 10:07*	*06/29/24 01:46*	*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			06/29/24 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/28/24 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/24 08:39	06/28/24 12:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/24 08:39	06/28/24 12:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Client Sample ID: CS-5 (5.0')

Lab Sample ID: 880-45367-3
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/24 08:39	06/28/24 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*06/28/24 08:39*	*06/28/24 12:37*	*1*
o-Terphenyl	*91*		*70 - 130*	*06/28/24 08:39*	*06/28/24 12:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.2**		4.97		mg/Kg			06/29/24 03:12	1

Client Sample ID: CS-6 (5.0')

Lab Sample ID: 880-45367-4
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/28/24 10:07	06/29/24 03:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/28/24 10:07	06/29/24 03:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/28/24 10:07	06/29/24 03:19	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/28/24 10:07	06/29/24 03:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/28/24 10:07	06/29/24 03:19	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/28/24 10:07	06/29/24 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/28/24 10:07*	*06/29/24 03:19*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/28/24 10:07*	*06/29/24 03:19*	*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			06/29/24 03:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/28/24 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/28/24 08:39	06/28/24 12:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/28/24 08:39	06/28/24 12:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/28/24 08:39	06/28/24 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*06/28/24 08:39*	*06/28/24 12:58*	*1*
o-Terphenyl	*99*		*70 - 130*	*06/28/24 08:39*	*06/28/24 12:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.1**		4.98		mg/Kg			06/29/24 03:18	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Client Sample ID: SW-4 (11')

Lab Sample ID: 880-45367-5
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/28/24 10:07	06/29/24 03:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/28/24 10:07	06/29/24 03:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/28/24 10:07	06/29/24 03:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/28/24 10:07	06/29/24 03:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/28/24 10:07	06/29/24 03:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/28/24 10:07	06/29/24 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/28/24 10:07*	*06/29/24 03:40*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/28/24 10:07*	*06/29/24 03:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/29/24 03:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/28/24 13:19	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	<49.8	U	49.8		mg/Kg		06/28/24 08:39	06/28/24 13:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/28/24 08:39	06/28/24 13:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/28/24 08:39	06/28/24 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/28/24 08:39*	*06/28/24 13:19*	*1*
o-Terphenyl	*108*		*70 - 130*	*06/28/24 08:39*	*06/28/24 13:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.1**		5.02		mg/Kg			06/29/24 13:42	1

Client Sample ID: SW-5 (11')

Lab Sample ID: 880-45367-6
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 04:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 04:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 04:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/28/24 10:07	06/29/24 04:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 04:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/28/24 10:07	06/29/24 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/28/24 10:07*	*06/29/24 04:00*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/28/24 10:07*	*06/29/24 04:00*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Client Sample ID: SW-5 (11')

Lab Sample ID: 880-45367-6
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/29/24 04:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/28/24 13:40	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	<50.0	U	50.0		mg/Kg		06/28/24 08:39	06/28/24 13:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/24 08:39	06/28/24 13:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/24 08:39	06/28/24 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/28/24 08:39*	*06/28/24 13:40*	*1*
o-Terphenyl	*108*		*70 - 130*	*06/28/24 08:39*	*06/28/24 13:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		4.98		mg/Kg			06/29/24 03:42	1

Client Sample ID: SW-6 (11')

Lab Sample ID: 880-45367-7
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 04:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 04:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 04:20	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/28/24 10:07	06/29/24 04:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 04:20	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/28/24 10:07	06/29/24 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/28/24 10:07*	*06/29/24 04:20*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/28/24 10:07*	*06/29/24 04:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/29/24 04:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/28/24 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		06/28/24 08:39	06/28/24 14:00	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/28/24 08:39	06/28/24 14:00	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Client Sample ID: SW-6 (11')

Lab Sample ID: 880-45367-7
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/28/24 08:39	06/28/24 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*06/28/24 08:39*	*06/28/24 14:00*	*1*
o-Terphenyl	*103*		*70 - 130*	*06/28/24 08:39*	*06/28/24 14:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.9**		5.02		mg/Kg			06/29/24 03:48	1

Client Sample ID: SW-7 (5.0')

Lab Sample ID: 880-45367-8
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 04:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 04:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 04:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/28/24 10:07	06/29/24 04:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 04:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/28/24 10:07	06/29/24 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/28/24 10:07*	*06/29/24 04:41*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/28/24 10:07*	*06/29/24 04:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/29/24 04:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/28/24 14:21	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	<49.7	U	49.7		mg/Kg		06/28/24 08:39	06/28/24 14:21	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/28/24 08:39	06/28/24 14:21	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/28/24 08:39	06/28/24 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*06/28/24 08:39*	*06/28/24 14:21*	*1*
o-Terphenyl	*103*		*70 - 130*	*06/28/24 08:39*	*06/28/24 14:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.9**		4.99		mg/Kg			06/29/24 03:53	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Client Sample ID: SW-8 (5.0')

Lab Sample ID: 880-45367-9
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 05:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 05:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 05:01	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/28/24 10:07	06/29/24 05:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/28/24 10:07	06/29/24 05:01	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/28/24 10:07	06/29/24 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/28/24 10:07*	*06/29/24 05:01*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/28/24 10:07*	*06/29/24 05:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/29/24 05:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/28/24 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/28/24 08:39	06/28/24 14:42	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/28/24 08:39	06/28/24 14:42	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/28/24 08:39	06/28/24 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*06/28/24 08:39*	*06/28/24 14:42*	*1*
o-Terphenyl	*108*		*70 - 130*	*06/28/24 08:39*	*06/28/24 14:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.8**		5.00		mg/Kg			06/29/24 03:59	1

Client Sample ID: SW-9 (5.0')

Lab Sample ID: 880-45367-10
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 05:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 05:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 05:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/28/24 10:07	06/29/24 05:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/29/24 05:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/28/24 10:07	06/29/24 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/28/24 10:07*	*06/29/24 05:22*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/28/24 10:07*	*06/29/24 05:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Client Sample ID: SW-9 (5.0')

Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

Lab Sample ID: 880-45367-10

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/29/24 05:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/28/24 15:02	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	49.8		mg/Kg		06/28/24 08:39	06/28/24 15:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/28/24 08:39	06/28/24 15:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/28/24 08:39	06/28/24 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*06/28/24 08:39*	*06/28/24 15:02*	*1*
o-Terphenyl	*101*		*70 - 130*	*06/28/24 08:39*	*06/28/24 15:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.7**		5.02		mg/Kg			06/29/24 04:05	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-45367-1	CS-3 (11')	105	89
880-45367-2	CS-4 (11')	107	89
880-45367-3	CS-5 (5.0')	106	89
880-45367-4	CS-6 (5.0')	103	89
880-45367-5	SW-4 (11')	106	90
880-45367-6	SW-5 (11')	106	90
880-45367-7	SW-6 (11')	105	89
880-45367-8	SW-7 (5.0')	105	89
880-45367-9	SW-8 (5.0')	107	90
880-45367-10	SW-9 (5.0')	108	90
880-45369-A-21-E MS	Matrix Spike	103	92
880-45369-A-21-F MSD	Matrix Spike Duplicate	103	92
LCS 880-84467/1-A	Lab Control Sample	107	93
LCSD 880-84467/2-A	Lab Control Sample Dup	101	92
MB 880-84356/5-A	Method Blank	101	84
MB 880-84467/5-A	Method Blank	103	85

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-45367-1	CS-3 (11')	103	110
880-45367-1 MS	CS-3 (11')	91	88
880-45367-1 MSD	CS-3 (11')	88	87
880-45367-2	CS-4 (11')	96	101
880-45367-3	CS-5 (5.0')	90	91
880-45367-4	CS-6 (5.0')	97	99
880-45367-5	SW-4 (11')	102	108
880-45367-6	SW-5 (11')	104	108
880-45367-7	SW-6 (11')	97	103
880-45367-8	SW-7 (5.0')	99	103
880-45367-9	SW-8 (5.0')	103	108
880-45367-10	SW-9 (5.0')	97	101
LCS 880-84452/2-A	Lab Control Sample	128	117
LCSD 880-84452/3-A	Lab Control Sample Dup	121	116
MB 880-84452/1-A	Method Blank	143 S1+	148 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-84356/5-A
Matrix: Solid
Analysis Batch: 84448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84356

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/27/24 11:29	06/28/24 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/24 11:29	06/28/24 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/24 11:29	06/28/24 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/27/24 11:29	06/28/24 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/24 11:29	06/28/24 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/27/24 11:29	06/28/24 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/27/24 11:29*	*06/28/24 11:20*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*06/27/24 11:29*	*06/28/24 11:20*	*1*

Lab Sample ID: MB 880-84467/5-A
Matrix: Solid
Analysis Batch: 84448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/28/24 22:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/28/24 22:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/28/24 22:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/28/24 10:07	06/28/24 22:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/28/24 10:07	06/28/24 22:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/28/24 10:07	06/28/24 22:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/28/24 10:07*	*06/28/24 22:20*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*06/28/24 10:07*	*06/28/24 22:20*	*1*

Lab Sample ID: LCS 880-84467/1-A
Matrix: Solid
Analysis Batch: 84448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84467

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1042		mg/Kg		104	70 - 130		
Toluene			0.100	0.09880		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.09649		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.2085		mg/Kg		104	70 - 130		
o-Xylene			0.100	0.1063		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-84467/2-A
Matrix: Solid
Analysis Batch: 84448

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84467

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1025		mg/Kg		103	70 - 130	2	35

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

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

Lab Sample ID: LCSD 880-84467/2-A
Matrix: Solid
Analysis Batch: 84448

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84467

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09606		mg/Kg		96	70 - 130	3	35
Ethylbenzene			0.100	0.09293		mg/Kg		93	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2012		mg/Kg		101	70 - 130	4	35
o-Xylene			0.100	0.1000		mg/Kg		100	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-45369-A-21-E MS
Matrix: Solid
Analysis Batch: 84448

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 84467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.09860		mg/Kg		99	70 - 130
Toluene	<0.00199	U	0.0996	0.09181		mg/Kg		92	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.08743		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1886		mg/Kg		95	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09428		mg/Kg		95	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-45369-A-21-F MSD
Matrix: Solid
Analysis Batch: 84448

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 84467

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.09920		mg/Kg		98	70 - 130	1	35
Toluene	<0.00199	U	0.101	0.09230		mg/Kg		92	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.101	0.08755		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1883		mg/Kg		93	70 - 130	0	35
o-Xylene	<0.00199	U	0.101	0.09449		mg/Kg		94	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

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

Lab Sample ID: MB 880-84452/1-A
Matrix: Solid
Analysis Batch: 84435

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84452

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/24 08:39	06/28/24 08:41	1

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

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

Lab Sample ID: MB 880-84452/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 84435 — **Prep Batch: 84452**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/24 08:39	06/28/24 08:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/24 08:39	06/28/24 08:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*143*	*S1+*	*70 - 130*	*06/28/24 08:39*	*06/28/24 08:41*	*1*
o-Terphenyl	*148*	*S1+*	*70 - 130*	*06/28/24 08:39*	*06/28/24 08:41*	*1*

Lab Sample ID: LCS 880-84452/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 84435 — **Prep Batch: 84452**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1006		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	998.2		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: LCSD 880-84452/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 84435 — **Prep Batch: 84452**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	977.3		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	936.3		mg/Kg		94	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: 880-45367-1 MS — **Client Sample ID: CS-3 (11')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 84435 — **Prep Batch: 84452**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	986.7		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	543.6	F1	mg/Kg		54	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

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

Lab Sample ID: 880-45367-1 MSD — **Client Sample ID: CS-3 (11')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 84435 — **Prep Batch: 84452**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	972.8		mg/Kg		95	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	534.1	F1	mg/Kg		53	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*87*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-84455/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 84503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/29/24 02:31	1

Lab Sample ID: LCS 880-84455/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 84503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.2		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-84455/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 84503

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	246.3		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-45367-1 MS — **Client Sample ID: CS-3 (11')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 84503

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	96.2	F1	249	319.4		mg/Kg		90	90 - 110

Lab Sample ID: 880-45367-1 MSD — **Client Sample ID: CS-3 (11')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 84503

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	96.2	F1	249	283.1	F1	mg/Kg		75	90 - 110	12	20

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

GC VOA

Prep Batch: 84356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-84356/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 84448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45367-1	CS-3 (11')	Total/NA	Solid	8021B	84467
880-45367-2	CS-4 (11')	Total/NA	Solid	8021B	84467
880-45367-3	CS-5 (5.0')	Total/NA	Solid	8021B	84467
880-45367-4	CS-6 (5.0')	Total/NA	Solid	8021B	84467
880-45367-5	SW-4 (11')	Total/NA	Solid	8021B	84467
880-45367-6	SW-5 (11')	Total/NA	Solid	8021B	84467
880-45367-7	SW-6 (11')	Total/NA	Solid	8021B	84467
880-45367-8	SW-7 (5.0')	Total/NA	Solid	8021B	84467
880-45367-9	SW-8 (5.0')	Total/NA	Solid	8021B	84467
880-45367-10	SW-9 (5.0')	Total/NA	Solid	8021B	84467
MB 880-84356/5-A	Method Blank	Total/NA	Solid	8021B	84356
MB 880-84467/5-A	Method Blank	Total/NA	Solid	8021B	84467
LCS 880-84467/1-A	Lab Control Sample	Total/NA	Solid	8021B	84467
LCSD 880-84467/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84467
880-45369-A-21-E MS	Matrix Spike	Total/NA	Solid	8021B	84467
880-45369-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	84467

Prep Batch: 84467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45367-1	CS-3 (11')	Total/NA	Solid	5035	
880-45367-2	CS-4 (11')	Total/NA	Solid	5035	
880-45367-3	CS-5 (5.0')	Total/NA	Solid	5035	
880-45367-4	CS-6 (5.0')	Total/NA	Solid	5035	
880-45367-5	SW-4 (11')	Total/NA	Solid	5035	
880-45367-6	SW-5 (11')	Total/NA	Solid	5035	
880-45367-7	SW-6 (11')	Total/NA	Solid	5035	
880-45367-8	SW-7 (5.0')	Total/NA	Solid	5035	
880-45367-9	SW-8 (5.0')	Total/NA	Solid	5035	
880-45367-10	SW-9 (5.0')	Total/NA	Solid	5035	
MB 880-84467/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84467/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84467/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45369-A-21-E MS	Matrix Spike	Total/NA	Solid	5035	
880-45369-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 84679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45367-1	CS-3 (11')	Total/NA	Solid	Total BTEX	
880-45367-2	CS-4 (11')	Total/NA	Solid	Total BTEX	
880-45367-3	CS-5 (5.0')	Total/NA	Solid	Total BTEX	
880-45367-4	CS-6 (5.0')	Total/NA	Solid	Total BTEX	
880-45367-5	SW-4 (11')	Total/NA	Solid	Total BTEX	
880-45367-6	SW-5 (11')	Total/NA	Solid	Total BTEX	
880-45367-7	SW-6 (11')	Total/NA	Solid	Total BTEX	
880-45367-8	SW-7 (5.0')	Total/NA	Solid	Total BTEX	
880-45367-9	SW-8 (5.0')	Total/NA	Solid	Total BTEX	
880-45367-10	SW-9 (5.0')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

GC Semi VOA

Analysis Batch: 84435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45367-1	CS-3 (11')	Total/NA	Solid	8015B NM	84452
880-45367-2	CS-4 (11')	Total/NA	Solid	8015B NM	84452
880-45367-3	CS-5 (5.0')	Total/NA	Solid	8015B NM	84452
880-45367-4	CS-6 (5.0')	Total/NA	Solid	8015B NM	84452
880-45367-5	SW-4 (11')	Total/NA	Solid	8015B NM	84452
880-45367-6	SW-5 (11')	Total/NA	Solid	8015B NM	84452
880-45367-7	SW-6 (11')	Total/NA	Solid	8015B NM	84452
880-45367-8	SW-7 (5.0')	Total/NA	Solid	8015B NM	84452
880-45367-9	SW-8 (5.0')	Total/NA	Solid	8015B NM	84452
880-45367-10	SW-9 (5.0')	Total/NA	Solid	8015B NM	84452
MB 880-84452/1-A	Method Blank	Total/NA	Solid	8015B NM	84452
LCS 880-84452/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84452
LCSD 880-84452/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84452
880-45367-1 MS	CS-3 (11')	Total/NA	Solid	8015B NM	84452
880-45367-1 MSD	CS-3 (11')	Total/NA	Solid	8015B NM	84452

Prep Batch: 84452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45367-1	CS-3 (11')	Total/NA	Solid	8015NM Prep	
880-45367-2	CS-4 (11')	Total/NA	Solid	8015NM Prep	
880-45367-3	CS-5 (5.0')	Total/NA	Solid	8015NM Prep	
880-45367-4	CS-6 (5.0')	Total/NA	Solid	8015NM Prep	
880-45367-5	SW-4 (11')	Total/NA	Solid	8015NM Prep	
880-45367-6	SW-5 (11')	Total/NA	Solid	8015NM Prep	
880-45367-7	SW-6 (11')	Total/NA	Solid	8015NM Prep	
880-45367-8	SW-7 (5.0')	Total/NA	Solid	8015NM Prep	
880-45367-9	SW-8 (5.0')	Total/NA	Solid	8015NM Prep	
880-45367-10	SW-9 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-84452/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84452/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84452/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45367-1 MS	CS-3 (11')	Total/NA	Solid	8015NM Prep	
880-45367-1 MSD	CS-3 (11')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 84666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45367-1	CS-3 (11')	Total/NA	Solid	8015 NM	
880-45367-2	CS-4 (11')	Total/NA	Solid	8015 NM	
880-45367-3	CS-5 (5.0')	Total/NA	Solid	8015 NM	
880-45367-4	CS-6 (5.0')	Total/NA	Solid	8015 NM	
880-45367-5	SW-4 (11')	Total/NA	Solid	8015 NM	
880-45367-6	SW-5 (11')	Total/NA	Solid	8015 NM	
880-45367-7	SW-6 (11')	Total/NA	Solid	8015 NM	
880-45367-8	SW-7 (5.0')	Total/NA	Solid	8015 NM	
880-45367-9	SW-8 (5.0')	Total/NA	Solid	8015 NM	
880-45367-10	SW-9 (5.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

HPLC/IC

Leach Batch: 84455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45367-1	CS-3 (11')	Soluble	Solid	DI Leach	
880-45367-2	CS-4 (11')	Soluble	Solid	DI Leach	
880-45367-3	CS-5 (5.0')	Soluble	Solid	DI Leach	
880-45367-4	CS-6 (5.0')	Soluble	Solid	DI Leach	
880-45367-5	SW-4 (11')	Soluble	Solid	DI Leach	
880-45367-6	SW-5 (11')	Soluble	Solid	DI Leach	
880-45367-7	SW-6 (11')	Soluble	Solid	DI Leach	
880-45367-8	SW-7 (5.0')	Soluble	Solid	DI Leach	
880-45367-9	SW-8 (5.0')	Soluble	Solid	DI Leach	
880-45367-10	SW-9 (5.0')	Soluble	Solid	DI Leach	
MB 880-84455/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84455/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84455/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45367-1 MS	CS-3 (11')	Soluble	Solid	DI Leach	
880-45367-1 MSD	CS-3 (11')	Soluble	Solid	DI Leach	

Analysis Batch: 84503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45367-1	CS-3 (11')	Soluble	Solid	300.0	84455
880-45367-2	CS-4 (11')	Soluble	Solid	300.0	84455
880-45367-3	CS-5 (5.0')	Soluble	Solid	300.0	84455
880-45367-4	CS-6 (5.0')	Soluble	Solid	300.0	84455
880-45367-5	SW-4 (11')	Soluble	Solid	300.0	84455
880-45367-6	SW-5 (11')	Soluble	Solid	300.0	84455
880-45367-7	SW-6 (11')	Soluble	Solid	300.0	84455
880-45367-8	SW-7 (5.0')	Soluble	Solid	300.0	84455
880-45367-9	SW-8 (5.0')	Soluble	Solid	300.0	84455
880-45367-10	SW-9 (5.0')	Soluble	Solid	300.0	84455
MB 880-84455/1-A	Method Blank	Soluble	Solid	300.0	84455
LCS 880-84455/2-A	Lab Control Sample	Soluble	Solid	300.0	84455
LCSD 880-84455/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84455
880-45367-1 MS	CS-3 (11')	Soluble	Solid	300.0	84455
880-45367-1 MSD	CS-3 (11')	Soluble	Solid	300.0	84455

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Client Sample ID: CS-3 (11')

Lab Sample ID: 880-45367-1
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84467	06/28/24 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84448	06/29/24 01:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84679	06/29/24 01:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			84666	06/28/24 11:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84452	06/28/24 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84435	06/28/24 11:14	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	84455	06/28/24 09:27	SA	EET MID
Soluble	Analysis	300.0		1			84503	06/29/24 02:48	SMC	EET MID

Client Sample ID: CS-4 (11')

Lab Sample ID: 880-45367-2
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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	84467	06/28/24 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84448	06/29/24 01:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84679	06/29/24 01:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			84666	06/28/24 12:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84452	06/28/24 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84435	06/28/24 12:17	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	84455	06/28/24 09:27	SA	EET MID
Soluble	Analysis	300.0		1			84503	06/29/24 03:06	SMC	EET MID

Client Sample ID: CS-5 (5.0')

Lab Sample ID: 880-45367-3
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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	84467	06/28/24 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84448	06/29/24 01:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84679	06/29/24 01:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			84666	06/28/24 12:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84452	06/28/24 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84435	06/28/24 12:37	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	84455	06/28/24 09:27	SA	EET MID
Soluble	Analysis	300.0		1			84503	06/29/24 03:12	SMC	EET MID

Client Sample ID: CS-6 (5.0')

Lab Sample ID: 880-45367-4
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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	84467	06/28/24 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84448	06/29/24 03:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84679	06/29/24 03:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Client Sample ID: CS-6 (5.0')

Lab Sample ID: 880-45367-4
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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			84666	06/28/24 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84452	06/28/24 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84435	06/28/24 12:58	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	84455	06/28/24 09:27	SA	EET MID
Soluble	Analysis	300.0		1			84503	06/29/24 03:18	SMC	EET MID

Client Sample ID: SW-4 (11')

Lab Sample ID: 880-45367-5
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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	84467	06/28/24 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84448	06/29/24 03:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84679	06/29/24 03:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			84666	06/28/24 13:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84452	06/28/24 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84435	06/28/24 13:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	84455	06/28/24 09:27	SA	EET MID
Soluble	Analysis	300.0		1			84503	06/29/24 13:42	SMC	EET MID

Client Sample ID: SW-5 (11')

Lab Sample ID: 880-45367-6
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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	84467	06/28/24 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84448	06/29/24 04:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84679	06/29/24 04:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			84666	06/28/24 13:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84452	06/28/24 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84435	06/28/24 13:40	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	84455	06/28/24 09:27	SA	EET MID
Soluble	Analysis	300.0		1			84503	06/29/24 03:42	SMC	EET MID

Client Sample ID: SW-6 (11')

Lab Sample ID: 880-45367-7
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84467	06/28/24 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84448	06/29/24 04:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84679	06/29/24 04:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			84666	06/28/24 14:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	84452	06/28/24 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84435	06/28/24 14:00	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Client Sample ID: SW-6 (11')

Lab Sample ID: 880-45367-7
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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	84455	06/28/24 09:27	SA	EET MID
Soluble	Analysis	300.0		1			84503	06/29/24 03:48	SMC	EET MID

Client Sample ID: SW-7 (5.0')

Lab Sample ID: 880-45367-8
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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	84467	06/28/24 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84448	06/29/24 04:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84679	06/29/24 04:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			84666	06/28/24 14:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84452	06/28/24 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84435	06/28/24 14:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	84455	06/28/24 09:27	SA	EET MID
Soluble	Analysis	300.0		1			84503	06/29/24 03:53	SMC	EET MID

Client Sample ID: SW-8 (5.0')

Lab Sample ID: 880-45367-9
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84467	06/28/24 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84448	06/29/24 05:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84679	06/29/24 05:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			84666	06/28/24 14:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84452	06/28/24 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84435	06/28/24 14:42	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	84455	06/28/24 09:27	SA	EET MID
Soluble	Analysis	300.0		1			84503	06/29/24 03:59	SMC	EET MID

Client Sample ID: SW-9 (5.0')

Lab Sample ID: 880-45367-10
Matrix: Solid
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:00

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	84467	06/28/24 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84448	06/29/24 05:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84679	06/29/24 05:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			84666	06/28/24 15:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84452	06/28/24 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84435	06/28/24 15:02	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	84455	06/28/24 09:27	SA	EET MID
Soluble	Analysis	300.0		1			84503	06/29/24 04:05	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

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: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45367-1
SDG: lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-45367-1	CS-3 (11')	Solid	06/27/24 00:00	06/28/24 08:00
880-45367-2	CS-4 (11')	Solid	06/27/24 00:00	06/28/24 08:00
880-45367-3	CS-5 (5.0')	Solid	06/27/24 00:00	06/28/24 08:00
880-45367-4	CS-6 (5.0')	Solid	06/27/24 00:00	06/28/24 08:00
880-45367-5	SW-4 (11')	Solid	06/27/24 00:00	06/28/24 08:00
880-45367-6	SW-5 (11')	Solid	06/27/24 00:00	06/28/24 08:00
880-45367-7	SW-6 (11')	Solid	06/27/24 00:00	06/28/24 08:00
880-45367-8	SW-7 (5.0')	Solid	06/27/24 00:00	06/28/24 08:00
880-45367-9	SW-8 (5.0')	Solid	06/27/24 00:00	06/28/24 08:00
880-45367-10	SW-9 (5.0')	Solid	06/27/24 00:00	06/28/24 08:00

Page 342 of 702

Chain of Custody

Wor

880-45367 Chain of Custody

7/1/2024

Page ___1___ of ___1___

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988 Email:	thielkea@carmonaresources.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR-8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.1
Total Containers:		Corrected Temperature:	1.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-3 (11')	6/27/2024		X		C	1		X	X	X		
CS-4 (11')	6/27/2024		X		C	1		X	X	X		
CS-5 (5.0')	6/27/2024		X		C	1		X	X	X		
CS-6 (5.0')	6/27/2024		X		C	1		X	X	X		
SW-4 (11')	6/27/2024		X		C	1		X	X	X		
SW-5 (11')	6/27/2024		X		C	1		X	X	X		
SW-6 (11')	6/27/2024		X		C	1		X	X	X		
SW-7 (5.0')	6/27/2024		X		C	1		X	X	X		
SW-8 (5.0')	6/27/2024		X		C	1		X	X	X		
SW-9 (5.0')	6/27/2024		X		C	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		6/28/24 800	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-45367-1
SDG Number: lea County, NM

Login Number: 45367
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 7/2/2024 4:19:59 PM

JOB DESCRIPTION

Uracas 8 (05.01.2024)
Lea County, NM

JOB NUMBER

880-45456-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 10/22/2024 11:31:47 AM

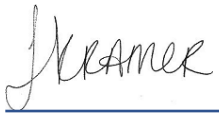
Eurofins Midland

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
7/2/2024 4:19:59 PM

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

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Laboratory Job ID: 880-45456-1
SDG: Lea County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
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
Receipt Checklists 30

Definitions/Glossary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-45456-1

Job ID: 880-45456-1 Eurofins Midland

Job Narrative
880-45456-1

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 7/1/2024 11:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-7 (11') (880-45456-1), CS-8 (7.0') (880-45456-2), CS-9 (7.0') (880-45456-3), CS-10 (7.0') (880-45456-4), SW-10 (11') (880-45456-5), SW-11 (11') (880-45456-6), SW-12 (4.0') (880-45456-7), SW-13 (7.0') (880-45456-8), SW-14 (7.0') (880-45456-9) and SW-15 (2.0') (880-45456-10).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-84672/5-A). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-84752 and analytical batch 880-84643 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-8 (7.0') (880-45456-2), CS-9 (7.0') (880-45456-3), CS-10 (7.0') (880-45456-4), SW-10 (11') (880-45456-5), SW-11 (11') (880-45456-6), SW-12 (4.0') (880-45456-7), SW-13 (7.0') (880-45456-8), SW-14 (7.0') (880-45456-9), SW-15 (2.0') (880-45456-10), (880-45455-A-1-E), (880-45455-A-1-F MS) and (880-45455-A-1-G MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84752 and analytical batch 880-84643 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Client Sample ID: CS-7 (11')

Lab Sample ID: 880-45456-1
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 18:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 18:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 18:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/01/24 13:50	07/01/24 18:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 18:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/01/24 13:50	07/01/24 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*07/01/24 13:50*	*07/01/24 18:46*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*07/01/24 13:50*	*07/01/24 18:46*	*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			07/01/24 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**123**		50.0		mg/Kg			07/01/24 23:17	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	**56.8**		50.0		mg/Kg		07/01/24 15:14	07/01/24 23:17	1
Diesel Range Organics (Over C10-C28)	**66.4**		50.0		mg/Kg		07/01/24 15:14	07/01/24 23:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/24 15:14	07/01/24 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*07/01/24 15:14*	*07/01/24 23:17*	*1*
o-Terphenyl	*128*		*70 - 130*	*07/01/24 15:14*	*07/01/24 23:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**249**		4.96		mg/Kg			07/01/24 19:18	1

Client Sample ID: CS-8 (7.0')

Lab Sample ID: 880-45456-2
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/01/24 13:50	07/01/24 19:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/01/24 13:50	07/01/24 19:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/01/24 13:50	07/01/24 19:07	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/01/24 13:50	07/01/24 19:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/01/24 13:50	07/01/24 19:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/01/24 13:50	07/01/24 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*07/01/24 13:50*	*07/01/24 19:07*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*07/01/24 13:50*	*07/01/24 19:07*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Client Sample ID: CS-8 (7.0')

Lab Sample ID: 880-45456-2
Date Collected: 06/28/24 00:00
Matrix: Solid
Date Received: 07/01/24 11:10

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			07/01/24 19:07	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			07/01/24 23:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/01/24 15:14	07/01/24 23:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/24 15:14	07/01/24 23:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/24 15:14	07/01/24 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/01/24 23:38*	*1*
o-Terphenyl	*149*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/01/24 23:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.9**		4.98		mg/Kg			07/01/24 19:23	1

Client Sample ID: CS-9 (7.0')

Lab Sample ID: 880-45456-3
Date Collected: 06/28/24 00:00
Matrix: Solid
Date Received: 07/01/24 11:10

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		07/01/24 13:50	07/01/24 19:27	1
Toluene	**0.00235**		0.00202		mg/Kg		07/01/24 13:50	07/01/24 19:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/01/24 13:50	07/01/24 19:27	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/01/24 13:50	07/01/24 19:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/01/24 13:50	07/01/24 19:27	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/01/24 13:50	07/01/24 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*07/01/24 13:50*	*07/01/24 19:27*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*07/01/24 13:50*	*07/01/24 19:27*	*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			07/01/24 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/01/24 23:59	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	<49.9	U	49.9		mg/Kg		07/01/24 15:14	07/01/24 23:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/24 15:14	07/01/24 23:59	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Client Sample ID: CS-9 (7.0')

Lab Sample ID: 880-45456-3
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/24 15:14	07/01/24 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*07/01/24 15:14*	*07/01/24 23:59*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/01/24 23:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.5**		5.02		mg/Kg			07/01/24 19:28	1

Client Sample ID: CS-10 (7.0')

Lab Sample ID: 880-45456-4
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/01/24 13:50	07/01/24 19:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/01/24 13:50	07/01/24 19:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/01/24 13:50	07/01/24 19:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/01/24 13:50	07/01/24 19:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/01/24 13:50	07/01/24 19:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/01/24 13:50	07/01/24 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*07/01/24 13:50*	*07/01/24 19:48*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*07/01/24 13:50*	*07/01/24 19:48*	*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			07/01/24 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/02/24 00:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/24 15:14	07/02/24 00:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/24 15:14	07/02/24 00:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/24 15:14	07/02/24 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/02/24 00:19*	*1*
o-Terphenyl	*148*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/02/24 00:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.3**		5.05		mg/Kg			07/01/24 19:34	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Client Sample ID: SW-10 (11')

Lab Sample ID: 880-45456-5
Date Collected: 06/28/24 00:00
Matrix: Solid
Date Received: 07/01/24 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 20:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 20:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 20:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/01/24 13:50	07/01/24 20:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 20:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/01/24 13:50	07/01/24 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*07/01/24 13:50*	*07/01/24 20:08*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/01/24 13:50*	*07/01/24 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			07/01/24 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	<49.8	U	49.8		mg/Kg			07/02/24 00:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/01/24 15:14	07/02/24 00:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/01/24 15:14	07/02/24 00:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/01/24 15:14	07/02/24 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/02/24 00:39*	*1*
o-Terphenyl	*147*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/02/24 00:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**224**		5.04		mg/Kg			07/01/24 19:49	1

Client Sample ID: SW-11 (11')

Lab Sample ID: 880-45456-6
Date Collected: 06/28/24 00:00
Matrix: Solid
Date Received: 07/01/24 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/01/24 13:50	07/01/24 20:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/01/24 13:50	07/01/24 20:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/01/24 13:50	07/01/24 20:29	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/01/24 13:50	07/01/24 20:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/01/24 13:50	07/01/24 20:29	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/01/24 13:50	07/01/24 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*07/01/24 13:50*	*07/01/24 20:29*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/01/24 13:50*	*07/01/24 20:29*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Client Sample ID: SW-11 (11')

Lab Sample ID: 880-45456-6
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/01/24 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/02/24 01:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/24 15:14	07/02/24 01:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/24 15:14	07/02/24 01:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/24 15:14	07/02/24 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*07/01/24 15:14*	*07/02/24 01:20*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/02/24 01:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**239**		4.96		mg/Kg			07/01/24 19:54	1

Client Sample ID: SW-12 (4.0')

Lab Sample ID: 880-45456-7
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 20:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 20:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 20:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/01/24 13:50	07/01/24 20:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 20:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/01/24 13:50	07/01/24 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*07/01/24 13:50*	*07/01/24 20:50*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/01/24 13:50*	*07/01/24 20:50*	*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			07/01/24 20:50	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			07/02/24 01:40	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		07/01/24 15:14	07/02/24 01:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/01/24 15:14	07/02/24 01:40	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Client Sample ID: SW-12 (4.0')

Lab Sample ID: 880-45456-7
Date Collected: 06/28/24 00:00
Matrix: Solid
Date Received: 07/01/24 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/01/24 15:14	07/02/24 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*07/01/24 15:14*	*07/02/24 01:40*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/02/24 01:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**144**		5.00		mg/Kg			07/01/24 20:10	1

Client Sample ID: SW-13 (7.0')

Lab Sample ID: 880-45456-8
Date Collected: 06/28/24 00:00
Matrix: Solid
Date Received: 07/01/24 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/01/24 13:50	07/01/24 21:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/01/24 13:50	07/01/24 21:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/01/24 13:50	07/01/24 21:10	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/01/24 13:50	07/01/24 21:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/01/24 13:50	07/01/24 21:10	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/01/24 13:50	07/01/24 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*07/01/24 13:50*	*07/01/24 21:10*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*07/01/24 13:50*	*07/01/24 21:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/01/24 21:10	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			07/02/24 02:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/01/24 15:14	07/02/24 02:01	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/01/24 15:14	07/02/24 02:01	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/01/24 15:14	07/02/24 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/02/24 02:01*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/02/24 02:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.5**		5.02		mg/Kg			07/01/24 20:15	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Client Sample ID: SW-14 (7.0')

Lab Sample ID: 880-45456-9
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00264**		0.00200		mg/Kg		07/01/24 13:50	07/01/24 22:35	1
Toluene	**0.00376**		0.00200		mg/Kg		07/01/24 13:50	07/01/24 22:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 22:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/01/24 13:50	07/01/24 22:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/01/24 13:50	07/01/24 22:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/01/24 13:50	07/01/24 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*07/01/24 13:50*	*07/01/24 22:35*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/01/24 13:50*	*07/01/24 22:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00640**		0.00401		mg/Kg			07/01/24 22:35	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			07/02/24 02:21	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		07/01/24 15:14	07/02/24 02:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/01/24 15:14	07/02/24 02:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/01/24 15:14	07/02/24 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*07/01/24 15:14*	*07/02/24 02:21*	*1*
o-Terphenyl	*147*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/02/24 02:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		4.97		mg/Kg			07/01/24 20:21	1

Client Sample ID: SW-15 (2.0')

Lab Sample ID: 880-45456-10
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

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		07/01/24 13:50	07/01/24 22:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/01/24 13:50	07/01/24 22:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/01/24 13:50	07/01/24 22:55	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/01/24 13:50	07/01/24 22:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/01/24 13:50	07/01/24 22:55	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/01/24 13:50	07/01/24 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*07/01/24 13:50*	*07/01/24 22:55*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*07/01/24 13:50*	*07/01/24 22:55*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Client Sample ID: SW-15 (2.0')

Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Lab Sample ID: 880-45456-10

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/01/24 22:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/02/24 02:43	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		07/01/24 15:14	07/02/24 02:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/24 15:14	07/02/24 02:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/24 15:14	07/02/24 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*07/01/24 15:14*	*07/02/24 02:43*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/02/24 02:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.0**		4.96		mg/Kg			07/01/24 20:26	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-45456-1	CS-7 (11')	90	79
880-45456-2	CS-8 (7.0')	84	83
880-45456-3	CS-9 (7.0')	96	82
880-45456-4	CS-10 (7.0')	84	81
880-45456-5	SW-10 (11')	95	86
880-45456-6	SW-11 (11')	79	89
880-45456-7	SW-12 (4.0')	89	89
880-45456-8	SW-13 (7.0')	82	81
880-45456-9	SW-14 (7.0')	82	86
880-45456-10	SW-15 (2.0')	82	75
890-6857-A-35-B MS	Matrix Spike	108	100
890-6857-A-35-C MSD	Matrix Spike Duplicate	111	113
LCS 880-84672/1-A	Lab Control Sample	113	107
LCSD 880-84672/2-A	Lab Control Sample Dup	99	101
MB 880-84672/5-A	Method Blank	67 S1-	92

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)
880-45455-A-1-F MS	Matrix Spike	142 S1+	127
880-45455-A-1-G MSD	Matrix Spike Duplicate	136 S1+	121
880-45456-1	CS-7 (11')	115	128
880-45456-2	CS-8 (7.0')	137 S1+	149 S1+
880-45456-3	CS-9 (7.0')	119	132 S1+
880-45456-4	CS-10 (7.0')	134 S1+	148 S1+
880-45456-5	SW-10 (11')	135 S1+	147 S1+
880-45456-6	SW-11 (11')	130	146 S1+
880-45456-7	SW-12 (4.0')	116	133 S1+
880-45456-8	SW-13 (7.0')	134 S1+	146 S1+
880-45456-9	SW-14 (7.0')	127	147 S1+
880-45456-10	SW-15 (2.0')	117	135 S1+
LCS 880-84752/2-A	Lab Control Sample	82	85
LCSD 880-84752/3-A	Lab Control Sample Dup	92	98
MB 880-84752/1-A	Method Blank	176 S1+	196 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-84672/5-A
Matrix: Solid
Analysis Batch: 84745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/01/24 10:06	07/01/24 17:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/01/24 10:06	07/01/24 17:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/01/24 10:06	07/01/24 17:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/01/24 10:06	07/01/24 17:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/01/24 10:06	07/01/24 17:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/01/24 10:06	07/01/24 17:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*07/01/24 10:06*	*07/01/24 17:43*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/01/24 10:06*	*07/01/24 17:43*	*1*

Lab Sample ID: LCS 880-84672/1-A
Matrix: Solid
Analysis Batch: 84745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84672

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1120		mg/Kg		112	70 - 130		
Toluene			0.100	0.1009		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.1059		mg/Kg		106	70 - 130		
m-Xylene & p-Xylene			0.200	0.2019		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.09720		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-84672/2-A
Matrix: Solid
Analysis Batch: 84745

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84672

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09564		mg/Kg		96	70 - 130	16	35
Toluene			0.100	0.09081		mg/Kg		91	70 - 130	11	35
Ethylbenzene			0.100	0.08791		mg/Kg		88	70 - 130	19	35
m-Xylene & p-Xylene			0.200	0.1601		mg/Kg		80	70 - 130	23	35
o-Xylene			0.100	0.07620		mg/Kg		76	70 - 130	24	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-6857-A-35-B MS
Matrix: Solid
Analysis Batch: 84745

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 84672

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0996	0.09989		mg/Kg		100	70 - 130		
Toluene	<0.00199	U	0.0996	0.08939		mg/Kg		90	70 - 130		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

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

Lab Sample ID: 890-6857-A-35-B MS
Matrix: Solid
Analysis Batch: 84745

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 84672

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.1166		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2059		mg/Kg		103	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1001		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-6857-A-35-C MSD
Matrix: Solid
Analysis Batch: 84745

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 84672

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1104		mg/Kg		110	70 - 130	10	35
Toluene	<0.00199	U	0.101	0.1130		mg/Kg		112	70 - 130	23	35
Ethylbenzene	<0.00199	U	0.101	0.1307		mg/Kg		130	70 - 130	11	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2402		mg/Kg		119	70 - 130	15	35
o-Xylene	<0.00199	U	0.101	0.1155		mg/Kg		115	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

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

Lab Sample ID: MB 880-84752/1-A
Matrix: Solid
Analysis Batch: 84643

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/24 15:14	07/01/24 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/24 15:14	07/01/24 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/24 15:14	07/01/24 19:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*176*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/01/24 19:52*	*1*
o-Terphenyl	*196*	*S1+*	*70 - 130*	*07/01/24 15:14*	*07/01/24 19:52*	*1*

Lab Sample ID: LCS 880-84752/2-A
Matrix: Solid
Analysis Batch: 84643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	940.2		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	871.5		mg/Kg		87	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-84752/2-A
Matrix: Solid
Analysis Batch: 84643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84752

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: LCSD 880-84752/3-A
Matrix: Solid
Analysis Batch: 84643

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84752

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	928.6		mg/Kg		93	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	875.3		mg/Kg		88	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 880-45455-A-1-F MS
Matrix: Solid
Analysis Batch: 84643

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 84752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	579		999	1611		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	2890	F1	999	3260	F1	mg/Kg		37	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	142	S1+	70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: 880-45455-A-1-G MSD
Matrix: Solid
Analysis Batch: 84643

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 84752

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	579		999	1562		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	2890	F1	999	3177	F1	mg/Kg		29	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	121		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-84735/1-A
Matrix: Solid
Analysis Batch: 84746

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			07/01/24 18:04	1

Lab Sample ID: LCS 880-84735/2-A
Matrix: Solid
Analysis Batch: 84746

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	250.7		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-84735/3-A
Matrix: Solid
Analysis Batch: 84746

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	251.8		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-45456-4 MS
Matrix: Solid
Analysis Batch: 84746

Client Sample ID: CS-10 (7.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	38.3		253	305.9		mg/Kg		106	90 - 110		

Lab Sample ID: 880-45456-4 MSD
Matrix: Solid
Analysis Batch: 84746

Client Sample ID: CS-10 (7.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	38.3		253	306.2		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

GC VOA

Prep Batch: 84672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45456-1	CS-7 (11')	Total/NA	Solid	5035	
880-45456-2	CS-8 (7.0')	Total/NA	Solid	5035	
880-45456-3	CS-9 (7.0')	Total/NA	Solid	5035	
880-45456-4	CS-10 (7.0')	Total/NA	Solid	5035	
880-45456-5	SW-10 (11')	Total/NA	Solid	5035	
880-45456-6	SW-11 (11')	Total/NA	Solid	5035	
880-45456-7	SW-12 (4.0')	Total/NA	Solid	5035	
880-45456-8	SW-13 (7.0')	Total/NA	Solid	5035	
880-45456-9	SW-14 (7.0')	Total/NA	Solid	5035	
880-45456-10	SW-15 (2.0')	Total/NA	Solid	5035	
MB 880-84672/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84672/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84672/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6857-A-35-B MS	Matrix Spike	Total/NA	Solid	5035	
890-6857-A-35-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 84745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45456-1	CS-7 (11')	Total/NA	Solid	8021B	84672
880-45456-2	CS-8 (7.0')	Total/NA	Solid	8021B	84672
880-45456-3	CS-9 (7.0')	Total/NA	Solid	8021B	84672
880-45456-4	CS-10 (7.0')	Total/NA	Solid	8021B	84672
880-45456-5	SW-10 (11')	Total/NA	Solid	8021B	84672
880-45456-6	SW-11 (11')	Total/NA	Solid	8021B	84672
880-45456-7	SW-12 (4.0')	Total/NA	Solid	8021B	84672
880-45456-8	SW-13 (7.0')	Total/NA	Solid	8021B	84672
880-45456-9	SW-14 (7.0')	Total/NA	Solid	8021B	84672
880-45456-10	SW-15 (2.0')	Total/NA	Solid	8021B	84672
MB 880-84672/5-A	Method Blank	Total/NA	Solid	8021B	84672
LCS 880-84672/1-A	Lab Control Sample	Total/NA	Solid	8021B	84672
LCSD 880-84672/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84672
890-6857-A-35-B MS	Matrix Spike	Total/NA	Solid	8021B	84672
890-6857-A-35-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	84672

Analysis Batch: 84828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45456-1	CS-7 (11')	Total/NA	Solid	Total BTEX	
880-45456-2	CS-8 (7.0')	Total/NA	Solid	Total BTEX	
880-45456-3	CS-9 (7.0')	Total/NA	Solid	Total BTEX	
880-45456-4	CS-10 (7.0')	Total/NA	Solid	Total BTEX	
880-45456-5	SW-10 (11')	Total/NA	Solid	Total BTEX	
880-45456-6	SW-11 (11')	Total/NA	Solid	Total BTEX	
880-45456-7	SW-12 (4.0')	Total/NA	Solid	Total BTEX	
880-45456-8	SW-13 (7.0')	Total/NA	Solid	Total BTEX	
880-45456-9	SW-14 (7.0')	Total/NA	Solid	Total BTEX	
880-45456-10	SW-15 (2.0')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 84643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45456-1	CS-7 (11')	Total/NA	Solid	8015B NM	84752
880-45456-2	CS-8 (7.0')	Total/NA	Solid	8015B NM	84752
880-45456-3	CS-9 (7.0')	Total/NA	Solid	8015B NM	84752
880-45456-4	CS-10 (7.0')	Total/NA	Solid	8015B NM	84752
880-45456-5	SW-10 (11')	Total/NA	Solid	8015B NM	84752
880-45456-6	SW-11 (11')	Total/NA	Solid	8015B NM	84752
880-45456-7	SW-12 (4.0')	Total/NA	Solid	8015B NM	84752
880-45456-8	SW-13 (7.0')	Total/NA	Solid	8015B NM	84752
880-45456-9	SW-14 (7.0')	Total/NA	Solid	8015B NM	84752
880-45456-10	SW-15 (2.0')	Total/NA	Solid	8015B NM	84752
MB 880-84752/1-A	Method Blank	Total/NA	Solid	8015B NM	84752
LCS 880-84752/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84752
LCSD 880-84752/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84752
880-45455-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	84752
880-45455-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	84752

Prep Batch: 84752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45456-1	CS-7 (11')	Total/NA	Solid	8015NM Prep	
880-45456-2	CS-8 (7.0')	Total/NA	Solid	8015NM Prep	
880-45456-3	CS-9 (7.0')	Total/NA	Solid	8015NM Prep	
880-45456-4	CS-10 (7.0')	Total/NA	Solid	8015NM Prep	
880-45456-5	SW-10 (11')	Total/NA	Solid	8015NM Prep	
880-45456-6	SW-11 (11')	Total/NA	Solid	8015NM Prep	
880-45456-7	SW-12 (4.0')	Total/NA	Solid	8015NM Prep	
880-45456-8	SW-13 (7.0')	Total/NA	Solid	8015NM Prep	
880-45456-9	SW-14 (7.0')	Total/NA	Solid	8015NM Prep	
880-45456-10	SW-15 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-84752/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84752/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84752/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45455-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-45455-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 84883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45456-1	CS-7 (11')	Total/NA	Solid	8015 NM	
880-45456-2	CS-8 (7.0')	Total/NA	Solid	8015 NM	
880-45456-3	CS-9 (7.0')	Total/NA	Solid	8015 NM	
880-45456-4	CS-10 (7.0')	Total/NA	Solid	8015 NM	
880-45456-5	SW-10 (11')	Total/NA	Solid	8015 NM	
880-45456-6	SW-11 (11')	Total/NA	Solid	8015 NM	
880-45456-7	SW-12 (4.0')	Total/NA	Solid	8015 NM	
880-45456-8	SW-13 (7.0')	Total/NA	Solid	8015 NM	
880-45456-9	SW-14 (7.0')	Total/NA	Solid	8015 NM	
880-45456-10	SW-15 (2.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

HPLC/IC

Leach Batch: 84735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45456-1	CS-7 (11')	Soluble	Solid	DI Leach	
880-45456-2	CS-8 (7.0')	Soluble	Solid	DI Leach	
880-45456-3	CS-9 (7.0')	Soluble	Solid	DI Leach	
880-45456-4	CS-10 (7.0')	Soluble	Solid	DI Leach	
880-45456-5	SW-10 (11')	Soluble	Solid	DI Leach	
880-45456-6	SW-11 (11')	Soluble	Solid	DI Leach	
880-45456-7	SW-12 (4.0')	Soluble	Solid	DI Leach	
880-45456-8	SW-13 (7.0')	Soluble	Solid	DI Leach	
880-45456-9	SW-14 (7.0')	Soluble	Solid	DI Leach	
880-45456-10	SW-15 (2.0')	Soluble	Solid	DI Leach	
MB 880-84735/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84735/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84735/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45456-4 MS	CS-10 (7.0')	Soluble	Solid	DI Leach	
880-45456-4 MSD	CS-10 (7.0')	Soluble	Solid	DI Leach	

Analysis Batch: 84746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45456-1	CS-7 (11')	Soluble	Solid	300.0	84735
880-45456-2	CS-8 (7.0')	Soluble	Solid	300.0	84735
880-45456-3	CS-9 (7.0')	Soluble	Solid	300.0	84735
880-45456-4	CS-10 (7.0')	Soluble	Solid	300.0	84735
880-45456-5	SW-10 (11')	Soluble	Solid	300.0	84735
880-45456-6	SW-11 (11')	Soluble	Solid	300.0	84735
880-45456-7	SW-12 (4.0')	Soluble	Solid	300.0	84735
880-45456-8	SW-13 (7.0')	Soluble	Solid	300.0	84735
880-45456-9	SW-14 (7.0')	Soluble	Solid	300.0	84735
880-45456-10	SW-15 (2.0')	Soluble	Solid	300.0	84735
MB 880-84735/1-A	Method Blank	Soluble	Solid	300.0	84735
LCS 880-84735/2-A	Lab Control Sample	Soluble	Solid	300.0	84735
LCSD 880-84735/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84735
880-45456-4 MS	CS-10 (7.0')	Soluble	Solid	300.0	84735
880-45456-4 MSD	CS-10 (7.0')	Soluble	Solid	300.0	84735

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Client Sample ID: CS-7 (11')

Lab Sample ID: 880-45456-1
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	84672	07/01/24 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84745	07/01/24 18:46	EL	EET MID
Total/NA	Analysis	Total BTEX		1			84828	07/01/24 18:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			84883	07/01/24 23:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	84752	07/01/24 15:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84643	07/01/24 23:17	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	84735	07/01/24 13:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84746	07/01/24 19:18	CH	EET MID

Client Sample ID: CS-8 (7.0')

Lab Sample ID: 880-45456-2
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	84672	07/01/24 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84745	07/01/24 19:07	EL	EET MID
Total/NA	Analysis	Total BTEX		1			84828	07/01/24 19:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			84883	07/01/24 23:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84752	07/01/24 15:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84643	07/01/24 23:38	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	84735	07/01/24 13:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84746	07/01/24 19:23	CH	EET MID

Client Sample ID: CS-9 (7.0')

Lab Sample ID: 880-45456-3
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	84672	07/01/24 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84745	07/01/24 19:27	EL	EET MID
Total/NA	Analysis	Total BTEX		1			84828	07/01/24 19:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			84883	07/01/24 23:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84752	07/01/24 15:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84643	07/01/24 23:59	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	84735	07/01/24 13:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84746	07/01/24 19:28	CH	EET MID

Client Sample ID: CS-10 (7.0')

Lab Sample ID: 880-45456-4
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	84672	07/01/24 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84745	07/01/24 19:48	EL	EET MID
Total/NA	Analysis	Total BTEX		1			84828	07/01/24 19:48	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Client Sample ID: CS-10 (7.0')

Lab Sample ID: 880-45456-4
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			84883	07/02/24 00:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84752	07/01/24 15:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84643	07/02/24 00:19	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	84735	07/01/24 13:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84746	07/01/24 19:34	CH	EET MID

Client Sample ID: SW-10 (11')

Lab Sample ID: 880-45456-5
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	84672	07/01/24 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84745	07/01/24 20:08	EL	EET MID
Total/NA	Analysis	Total BTEX		1			84828	07/01/24 20:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			84883	07/02/24 00:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84752	07/01/24 15:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84643	07/02/24 00:39	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	84735	07/01/24 13:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84746	07/01/24 19:49	CH	EET MID

Client Sample ID: SW-11 (11')

Lab Sample ID: 880-45456-6
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84672	07/01/24 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84745	07/01/24 20:29	EL	EET MID
Total/NA	Analysis	Total BTEX		1			84828	07/01/24 20:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			84883	07/02/24 01:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84752	07/01/24 15:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84643	07/02/24 01:20	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	84735	07/01/24 13:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84746	07/01/24 19:54	CH	EET MID

Client Sample ID: SW-12 (4.0')

Lab Sample ID: 880-45456-7
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	84672	07/01/24 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84745	07/01/24 20:50	EL	EET MID
Total/NA	Analysis	Total BTEX		1			84828	07/01/24 20:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			84883	07/02/24 01:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84752	07/01/24 15:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84643	07/02/24 01:40	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Client Sample ID: SW-12 (4.0')

Lab Sample ID: 880-45456-7
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	84735	07/01/24 13:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84746	07/01/24 20:10	CH	EET MID

Client Sample ID: SW-13 (7.0')

Lab Sample ID: 880-45456-8
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84672	07/01/24 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84745	07/01/24 21:10	EL	EET MID
Total/NA	Analysis	Total BTEX		1			84828	07/01/24 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			84883	07/02/24 02:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84752	07/01/24 15:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84643	07/02/24 02:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	84735	07/01/24 13:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84746	07/01/24 20:15	CH	EET MID

Client Sample ID: SW-14 (7.0')

Lab Sample ID: 880-45456-9
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	84672	07/01/24 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84745	07/01/24 22:35	EL	EET MID
Total/NA	Analysis	Total BTEX		1			84828	07/01/24 22:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			84883	07/02/24 02:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84752	07/01/24 15:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84643	07/02/24 02:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	84735	07/01/24 13:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84746	07/01/24 20:21	CH	EET MID

Client Sample ID: SW-15 (2.0')

Lab Sample ID: 880-45456-10
Matrix: Solid
Date Collected: 06/28/24 00:00
Date Received: 07/01/24 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	84672	07/01/24 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84745	07/01/24 22:55	EL	EET MID
Total/NA	Analysis	Total BTEX		1			84828	07/01/24 22:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			84883	07/02/24 02:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84752	07/01/24 15:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84643	07/02/24 02:43	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	84735	07/01/24 13:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84746	07/01/24 20:26	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

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: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45456-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-45456-1	CS-7 (11')	Solid	06/28/24 00:00	07/01/24 11:10
880-45456-2	CS-8 (7.0')	Solid	06/28/24 00:00	07/01/24 11:10
880-45456-3	CS-9 (7.0')	Solid	06/28/24 00:00	07/01/24 11:10
880-45456-4	CS-10 (7.0')	Solid	06/28/24 00:00	07/01/24 11:10
880-45456-5	SW-10 (11')	Solid	06/28/24 00:00	07/01/24 11:10
880-45456-6	SW-11 (11')	Solid	06/28/24 00:00	07/01/24 11:10
880-45456-7	SW-12 (4.0')	Solid	06/28/24 00:00	07/01/24 11:10
880-45456-8	SW-13 (7.0')	Solid	06/28/24 00:00	07/01/24 11:10
880-45456-9	SW-14 (7.0')	Solid	06/28/24 00:00	07/01/24 11:10
880-45456-10	SW-15 (2.0')	Solid	06/28/24 00:00	07/01/24 11:10

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Chain of Custody

Work

880-45456 Chain of Custody

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR5
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.9
Total Containers:		Corrected Temperature:	-2.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-7 (11')	6/28/2024		X		C	1	X	X	X		
CS-8 (7.0')	6/28/2024		X		C	1	X	X	X		
CS-9 (7.0')	6/28/2024		X		C	1	X	X	X		
CS-10 (7.0')	6/28/2024		X		C	1	X	X	X		
SW-10 (11')	6/28/2024		X		C	1	X	X	X		
SW-11 (11')	6/28/2024		X		C	1	X	X	X		
SW-12 (4.0')	6/28/2024		X		C	1	X	X	X		
SW-13 (7.0')	6/28/2024		X		C	1	X	X	X		
SW-14 (7.0')	6/28/2024		X		C	1	X	X	X		
SW-15 (2.0')	6/28/2024		X		C	1	X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		7.1.24 1110	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-45456-1
SDG Number: Lea County, NM

Login Number: 45456
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 7/5/2024 3:54:10 PM

JOB DESCRIPTION

Uracas 8 (05.01.2024)
Lea County, NM

JOB NUMBER

880-45592-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 10/22/2024 11:31:47 AM

my EOL

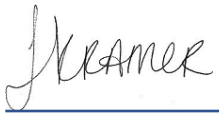
Eurofins Midland

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
7/5/2024 3:54:10 PM

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

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Laboratory Job ID: 880-45592-1
SDG: Lea County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 12
QC Sample Results 13
QC Association Summary 18
Lab Chronicle 21
Certification Summary 24
Method Summary 25
Sample Summary 26
Chain of Custody 27
Receipt Checklists 28

Definitions/Glossary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-45592-1

Job ID: 880-45592-1 Eurofins Midland

Job Narrative
880-45592-1

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 7/3/2024 9:08 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-11 (12') (880-45592-1), CS-12 (12') (880-45592-2), CS-13 (12') (880-45592-3), SW-16 (12') (880-45592-4), SW-17 (12') (880-45592-5), SW-18 (12') (880-45592-6) and SW-19 (12') (880-45592-7).

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84959 and analytical batch 880-84995 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-84967 and analytical batch 880-84978 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Client Sample ID: CS-11 (12')

Lab Sample ID: 880-45592-1
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

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		07/03/24 10:47	07/03/24 13:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/03/24 10:47	07/03/24 13:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/03/24 10:47	07/03/24 13:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/03/24 10:47	07/03/24 13:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/03/24 10:47	07/03/24 13:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/03/24 10:47	07/03/24 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/03/24 10:47*	*07/03/24 13:04*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/03/24 10:47*	*07/03/24 13:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/03/24 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/04/24 10:11	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	<49.9	U	49.9		mg/Kg		07/03/24 10:35	07/04/24 10:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		07/03/24 10:35	07/04/24 10:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/24 10:35	07/04/24 10:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*07/03/24 10:35*	*07/04/24 10:11*	*1*
o-Terphenyl	*92*		*70 - 130*	*07/03/24 10:35*	*07/04/24 10:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.4**		5.03		mg/Kg			07/03/24 19:20	1

Client Sample ID: CS-12 (12')

Lab Sample ID: 880-45592-2
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

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		07/03/24 10:47	07/03/24 13:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/24 10:47	07/03/24 13:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/24 10:47	07/03/24 13:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/03/24 10:47	07/03/24 13:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/24 10:47	07/03/24 13:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/03/24 10:47	07/03/24 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/03/24 10:47*	*07/03/24 13:24*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/03/24 10:47*	*07/03/24 13:24*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Client Sample ID: CS-12 (12')

Lab Sample ID: 880-45592-2
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

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			07/03/24 13:24	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			07/04/24 11:12	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	<49.8	U	49.8		mg/Kg		07/03/24 10:35	07/04/24 11:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/03/24 10:35	07/04/24 11:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/03/24 10:35	07/04/24 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*07/03/24 10:35*	*07/04/24 11:12*	*1*
o-Terphenyl	*114*		*70 - 130*	*07/03/24 10:35*	*07/04/24 11:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.7**		5.00		mg/Kg			07/03/24 19:27	1

Client Sample ID: CS-13 (12')

Lab Sample ID: 880-45592-3
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

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		07/03/24 10:47	07/03/24 13:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/03/24 10:47	07/03/24 13:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/03/24 10:47	07/03/24 13:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/03/24 10:47	07/03/24 13:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/03/24 10:47	07/03/24 13:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/03/24 10:47	07/03/24 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/03/24 10:47*	*07/03/24 13:45*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/03/24 10:47*	*07/03/24 13:45*	*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			07/03/24 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/04/24 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/03/24 10:35	07/04/24 11:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/24 10:35	07/04/24 11:33	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Client Sample ID: CS-13 (12')

Lab Sample ID: 880-45592-3
Date Collected: 07/02/24 00:00
Matrix: Solid
Date Received: 07/03/24 09:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/24 10:35	07/04/24 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*07/03/24 10:35*	*07/04/24 11:33*	*1*
o-Terphenyl	*98*		*70 - 130*	*07/03/24 10:35*	*07/04/24 11:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.8**		5.04		mg/Kg			07/03/24 19:34	1

Client Sample ID: SW-16 (12')

Lab Sample ID: 880-45592-4
Date Collected: 07/02/24 00:00
Matrix: Solid
Date Received: 07/03/24 09:08

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		07/03/24 10:47	07/03/24 14:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/03/24 10:47	07/03/24 14:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/03/24 10:47	07/03/24 14:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/03/24 10:47	07/03/24 14:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/03/24 10:47	07/03/24 14:05	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/03/24 10:47	07/03/24 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/03/24 10:47*	*07/03/24 14:05*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/03/24 10:47*	*07/03/24 14:05*	*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			07/03/24 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/04/24 11:53	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	<49.9	U	49.9		mg/Kg		07/03/24 10:35	07/04/24 11:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/03/24 10:35	07/04/24 11:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/24 10:35	07/04/24 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*07/03/24 10:35*	*07/04/24 11:53*	*1*
o-Terphenyl	*94*		*70 - 130*	*07/03/24 10:35*	*07/04/24 11:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.8**		4.97		mg/Kg			07/03/24 19:42	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Client Sample ID: SW-17 (12')

Lab Sample ID: 880-45592-5
Date Collected: 07/02/24 00:00
Matrix: Solid
Date Received: 07/03/24 09:08

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		07/03/24 10:47	07/03/24 14:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/03/24 10:47	07/03/24 14:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/03/24 10:47	07/03/24 14:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/03/24 10:47	07/03/24 14:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/03/24 10:47	07/03/24 14:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/03/24 10:47	07/03/24 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/03/24 10:47*	*07/03/24 14:26*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/03/24 10:47*	*07/03/24 14:26*	*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			07/03/24 14:26	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			07/04/24 12:14	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	<49.8	U	49.8		mg/Kg		07/03/24 10:35	07/04/24 12:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/03/24 10:35	07/04/24 12:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/03/24 10:35	07/04/24 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*07/03/24 10:35*	*07/04/24 12:14*	*1*
o-Terphenyl	*108*		*70 - 130*	*07/03/24 10:35*	*07/04/24 12:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.3**		5.02		mg/Kg			07/03/24 19:49	1

Client Sample ID: SW-18 (12')

Lab Sample ID: 880-45592-6
Date Collected: 07/02/24 00:00
Matrix: Solid
Date Received: 07/03/24 09:08

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		07/03/24 10:47	07/03/24 14:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/24 10:47	07/03/24 14:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/24 10:47	07/03/24 14:46	1
m-Xylene & p-Xylene	**0.00894**		0.00399		mg/Kg		07/03/24 10:47	07/03/24 14:46	1
o-Xylene	**0.00319**		0.00200		mg/Kg		07/03/24 10:47	07/03/24 14:46	1
Xylenes, Total	**0.0121**		0.00399		mg/Kg		07/03/24 10:47	07/03/24 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*07/03/24 10:47*	*07/03/24 14:46*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/03/24 10:47*	*07/03/24 14:46*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Client Sample ID: SW-18 (12')

Lab Sample ID: 880-45592-6
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0121**		0.00399		mg/Kg			07/03/24 14:46	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			07/04/24 12:34	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		07/03/24 10:35	07/04/24 12:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/03/24 10:35	07/04/24 12:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/03/24 10:35	07/04/24 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*07/03/24 10:35*	*07/04/24 12:34*	*1*
o-Terphenyl	*106*		*70 - 130*	*07/03/24 10:35*	*07/04/24 12:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.2**		5.05		mg/Kg			07/03/24 19:56	1

Client Sample ID: SW-19 (12')

Lab Sample ID: 880-45592-7
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

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		07/03/24 10:47	07/03/24 15:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/03/24 10:47	07/03/24 15:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/03/24 10:47	07/03/24 15:07	1
m-Xylene & p-Xylene	**0.0123**		0.00398		mg/Kg		07/03/24 10:47	07/03/24 15:07	1
o-Xylene	**0.00207**		0.00199		mg/Kg		07/03/24 10:47	07/03/24 15:07	1
Xylenes, Total	**0.0144**		0.00398		mg/Kg		07/03/24 10:47	07/03/24 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*07/03/24 10:47*	*07/03/24 15:07*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/03/24 10:47*	*07/03/24 15:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0144**		0.00398		mg/Kg			07/03/24 15:07	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			07/04/24 12:55	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	<49.7	U	49.7		mg/Kg		07/03/24 10:35	07/04/24 12:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/03/24 10:35	07/04/24 12:55	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Client Sample ID: SW-19 (12')

Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

Lab Sample ID: 880-45592-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/03/24 10:35	07/04/24 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/03/24 10:35*	*07/04/24 12:55*	*1*
o-Terphenyl	*106*		*70 - 130*	*07/03/24 10:35*	*07/04/24 12:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.8**		5.04		mg/Kg			07/04/24 11:36	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-45592-1	CS-11 (12')	110	91
880-45592-1 MS	CS-11 (12')	103	92
880-45592-1 MSD	CS-11 (12')	103	93
880-45592-2	CS-12 (12')	113	91
880-45592-3	CS-13 (12')	113	91
880-45592-4	SW-16 (12')	111	90
880-45592-5	SW-17 (12')	111	90
880-45592-6	SW-18 (12')	121	96
880-45592-7	SW-19 (12')	118	91
LCS 880-84960/1-A	Lab Control Sample	105	93
LCSD 880-84960/2-A	Lab Control Sample Dup	105	94
MB 880-84960/5-A	Method Blank	106	86

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)
880-45592-1	CS-11 (12')	88	92
880-45592-1 MS	CS-11 (12')	91	85
880-45592-1 MSD	CS-11 (12')	88	83
880-45592-2	CS-12 (12')	110	114
880-45592-3	CS-13 (12')	94	98
880-45592-4	SW-16 (12')	92	94
880-45592-5	SW-17 (12')	106	108
880-45592-6	SW-18 (12')	106	106
880-45592-7	SW-19 (12')	103	106
LCS 880-84959/2-A	Lab Control Sample	124	116
LCSD 880-84959/3-A	Lab Control Sample Dup	112	107
MB 880-84959/1-A	Method Blank	76	80

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-84960/5-A
Matrix: Solid
Analysis Batch: 84939

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84960

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/24 10:47	07/03/24 12:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/24 10:47	07/03/24 12:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/24 10:47	07/03/24 12:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/03/24 10:47	07/03/24 12:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/24 10:47	07/03/24 12:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/03/24 10:47	07/03/24 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*07/03/24 10:47*	*07/03/24 12:42*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/03/24 10:47*	*07/03/24 12:42*	*1*

Lab Sample ID: LCS 880-84960/1-A
Matrix: Solid
Analysis Batch: 84939

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84960

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09656		mg/Kg		97	70 - 130		
Toluene			0.100	0.08957		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.08569		mg/Kg		86	70 - 130		
m-Xylene & p-Xylene			0.200	0.1938		mg/Kg		97	70 - 130		
o-Xylene			0.100	0.09708		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-84960/2-A
Matrix: Solid
Analysis Batch: 84939

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84960

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1071		mg/Kg		107	70 - 130	10	35
Toluene			0.100	0.09961		mg/Kg		100	70 - 130	11	35
Ethylbenzene			0.100	0.09525		mg/Kg		95	70 - 130	11	35
m-Xylene & p-Xylene			0.200	0.2130		mg/Kg		107	70 - 130	9	35
o-Xylene			0.100	0.1061		mg/Kg		106	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-45592-1 MS
Matrix: Solid
Analysis Batch: 84939

Client Sample ID: CS-11 (12')
Prep Type: Total/NA
Prep Batch: 84960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.1009		mg/Kg		101	70 - 130		
Toluene	<0.00201	U	0.100	0.09397		mg/Kg		94	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

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

Lab Sample ID: 880-45592-1 MS
Matrix: Solid
Analysis Batch: 84939

Client Sample ID: CS-11 (12')
Prep Type: Total/NA
Prep Batch: 84960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.08966		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2011		mg/Kg		101	70 - 130
o-Xylene	<0.00201	U	0.100	0.09976		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-45592-1 MSD
Matrix: Solid
Analysis Batch: 84939

Client Sample ID: CS-11 (12')
Prep Type: Total/NA
Prep Batch: 84960

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09557		mg/Kg		96	70 - 130	5	35
Toluene	<0.00201	U	0.100	0.08782		mg/Kg		88	70 - 130	7	35
Ethylbenzene	<0.00201	U	0.100	0.08198		mg/Kg		82	70 - 130	9	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1821		mg/Kg		91	70 - 130	10	35
o-Xylene	<0.00201	U	0.100	0.09040		mg/Kg		90	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: MB 880-84959/1-A
Matrix: Solid
Analysis Batch: 84995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84959

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/03/24 10:35	07/04/24 07:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/24 10:35	07/04/24 07:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/24 10:35	07/04/24 07:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*07/03/24 10:35*	*07/04/24 07:41*	*1*
o-Terphenyl	*80*		*70 - 130*	*07/03/24 10:35*	*07/04/24 07:41*	*1*

Lab Sample ID: LCS 880-84959/2-A
Matrix: Solid
Analysis Batch: 84995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84959

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	945.8		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	953.8		mg/Kg		95	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-84959/2-A
Matrix: Solid
Analysis Batch: 84995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84959

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: LCSD 880-84959/3-A
Matrix: Solid
Analysis Batch: 84995

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 84959

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	907.2		mg/Kg		91	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	885.0		mg/Kg		88	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-45592-1 MS
Matrix: Solid
Analysis Batch: 84995

Client Sample ID: CS-11 (12')
Prep Type: Total/NA
Prep Batch: 84959

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	994	961.5		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	994	502.2	F1	mg/Kg		46	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 880-45592-1 MSD
Matrix: Solid
Analysis Batch: 84995

Client Sample ID: CS-11 (12')
Prep Type: Total/NA
Prep Batch: 84959

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	994	931.5		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	994	477.6	F1	mg/Kg		44	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	83		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-84967/1-A
Matrix: Solid
Analysis Batch: 84978

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			07/03/24 15:58	1

Lab Sample ID: LCS 880-84967/2-A
Matrix: Solid
Analysis Batch: 84978

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.7		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-84967/3-A
Matrix: Solid
Analysis Batch: 84978

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	250.7		mg/Kg		100	90 - 110	3	20

Lab Sample ID: 880-45145-A-11-C MS
Matrix: Solid
Analysis Batch: 84978

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	13700	F1	5030	19890	F1	mg/Kg		124	90 - 110

Lab Sample ID: 880-45145-A-11-D MSD
Matrix: Solid
Analysis Batch: 84978

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	13700	F1	5030	19890	F1	mg/Kg		124	90 - 110	0	20

Lab Sample ID: MB 880-84989/1-A
Matrix: Solid
Analysis Batch: 85023

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			07/04/24 09:26	1

Lab Sample ID: LCS 880-84989/2-A
Matrix: Solid
Analysis Batch: 85023

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.5		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-84989/3-A
Matrix: Solid
Analysis Batch: 85023

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	245.5		mg/Kg		98	90 - 110	2	20

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-45581-A-41-E MS
Matrix: Solid
Analysis Batch: 85023

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	38.1		249	277.1		mg/Kg		96	90 - 110

Lab Sample ID: 880-45581-A-41-F MSD
Matrix: Solid
Analysis Batch: 85023

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	38.1		249	276.0		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 84939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45592-1	CS-11 (12')	Total/NA	Solid	8021B	84960
880-45592-2	CS-12 (12')	Total/NA	Solid	8021B	84960
880-45592-3	CS-13 (12')	Total/NA	Solid	8021B	84960
880-45592-4	SW-16 (12')	Total/NA	Solid	8021B	84960
880-45592-5	SW-17 (12')	Total/NA	Solid	8021B	84960
880-45592-6	SW-18 (12')	Total/NA	Solid	8021B	84960
880-45592-7	SW-19 (12')	Total/NA	Solid	8021B	84960
MB 880-84960/5-A	Method Blank	Total/NA	Solid	8021B	84960
LCS 880-84960/1-A	Lab Control Sample	Total/NA	Solid	8021B	84960
LCSD 880-84960/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84960
880-45592-1 MS	CS-11 (12')	Total/NA	Solid	8021B	84960
880-45592-1 MSD	CS-11 (12')	Total/NA	Solid	8021B	84960

Prep Batch: 84960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45592-1	CS-11 (12')	Total/NA	Solid	5035	
880-45592-2	CS-12 (12')	Total/NA	Solid	5035	
880-45592-3	CS-13 (12')	Total/NA	Solid	5035	
880-45592-4	SW-16 (12')	Total/NA	Solid	5035	
880-45592-5	SW-17 (12')	Total/NA	Solid	5035	
880-45592-6	SW-18 (12')	Total/NA	Solid	5035	
880-45592-7	SW-19 (12')	Total/NA	Solid	5035	
MB 880-84960/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84960/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84960/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45592-1 MS	CS-11 (12')	Total/NA	Solid	5035	
880-45592-1 MSD	CS-11 (12')	Total/NA	Solid	5035	

Analysis Batch: 85074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45592-1	CS-11 (12')	Total/NA	Solid	Total BTEX	
880-45592-2	CS-12 (12')	Total/NA	Solid	Total BTEX	
880-45592-3	CS-13 (12')	Total/NA	Solid	Total BTEX	
880-45592-4	SW-16 (12')	Total/NA	Solid	Total BTEX	
880-45592-5	SW-17 (12')	Total/NA	Solid	Total BTEX	
880-45592-6	SW-18 (12')	Total/NA	Solid	Total BTEX	
880-45592-7	SW-19 (12')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 84959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45592-1	CS-11 (12')	Total/NA	Solid	8015NM Prep	
880-45592-2	CS-12 (12')	Total/NA	Solid	8015NM Prep	
880-45592-3	CS-13 (12')	Total/NA	Solid	8015NM Prep	
880-45592-4	SW-16 (12')	Total/NA	Solid	8015NM Prep	
880-45592-5	SW-17 (12')	Total/NA	Solid	8015NM Prep	
880-45592-6	SW-18 (12')	Total/NA	Solid	8015NM Prep	
880-45592-7	SW-19 (12')	Total/NA	Solid	8015NM Prep	
MB 880-84959/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84959/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 84959 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-84959/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45592-1 MS	CS-11 (12')	Total/NA	Solid	8015NM Prep	
880-45592-1 MSD	CS-11 (12')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 84995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45592-1	CS-11 (12')	Total/NA	Solid	8015B NM	84959
880-45592-2	CS-12 (12')	Total/NA	Solid	8015B NM	84959
880-45592-3	CS-13 (12')	Total/NA	Solid	8015B NM	84959
880-45592-4	SW-16 (12')	Total/NA	Solid	8015B NM	84959
880-45592-5	SW-17 (12')	Total/NA	Solid	8015B NM	84959
880-45592-6	SW-18 (12')	Total/NA	Solid	8015B NM	84959
880-45592-7	SW-19 (12')	Total/NA	Solid	8015B NM	84959
MB 880-84959/1-A	Method Blank	Total/NA	Solid	8015B NM	84959
LCS 880-84959/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84959
LCSD 880-84959/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84959
880-45592-1 MS	CS-11 (12')	Total/NA	Solid	8015B NM	84959
880-45592-1 MSD	CS-11 (12')	Total/NA	Solid	8015B NM	84959

Analysis Batch: 85066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45592-1	CS-11 (12')	Total/NA	Solid	8015 NM	
880-45592-2	CS-12 (12')	Total/NA	Solid	8015 NM	
880-45592-3	CS-13 (12')	Total/NA	Solid	8015 NM	
880-45592-4	SW-16 (12')	Total/NA	Solid	8015 NM	
880-45592-5	SW-17 (12')	Total/NA	Solid	8015 NM	
880-45592-6	SW-18 (12')	Total/NA	Solid	8015 NM	
880-45592-7	SW-19 (12')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 84967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45592-1	CS-11 (12')	Soluble	Solid	DI Leach	
880-45592-2	CS-12 (12')	Soluble	Solid	DI Leach	
880-45592-3	CS-13 (12')	Soluble	Solid	DI Leach	
880-45592-4	SW-16 (12')	Soluble	Solid	DI Leach	
880-45592-5	SW-17 (12')	Soluble	Solid	DI Leach	
880-45592-6	SW-18 (12')	Soluble	Solid	DI Leach	
MB 880-84967/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84967/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84967/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45145-A-11-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-45145-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 84978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45592-1	CS-11 (12')	Soluble	Solid	300.0	84967
880-45592-2	CS-12 (12')	Soluble	Solid	300.0	84967
880-45592-3	CS-13 (12')	Soluble	Solid	300.0	84967
880-45592-4	SW-16 (12')	Soluble	Solid	300.0	84967

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 84978 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45592-5	SW-17 (12')	Soluble	Solid	300.0	84967
880-45592-6	SW-18 (12')	Soluble	Solid	300.0	84967
MB 880-84967/1-A	Method Blank	Soluble	Solid	300.0	84967
LCS 880-84967/2-A	Lab Control Sample	Soluble	Solid	300.0	84967
LCSD 880-84967/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84967
880-45145-A-11-C MS	Matrix Spike	Soluble	Solid	300.0	84967
880-45145-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	84967

Leach Batch: 84989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45592-7	SW-19 (12')	Soluble	Solid	DI Leach	
MB 880-84989/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84989/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84989/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45581-A-41-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-45581-A-41-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 85023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45592-7	SW-19 (12')	Soluble	Solid	300.0	84989
MB 880-84989/1-A	Method Blank	Soluble	Solid	300.0	84989
LCS 880-84989/2-A	Lab Control Sample	Soluble	Solid	300.0	84989
LCSD 880-84989/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84989
880-45581-A-41-E MS	Matrix Spike	Soluble	Solid	300.0	84989
880-45581-A-41-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	84989

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Client Sample ID: CS-11 (12')

Lab Sample ID: 880-45592-1
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 13:04	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85074	07/03/24 13:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			85066	07/04/24 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 10:11	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	84967	07/03/24 11:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84978	07/03/24 19:20	CH	EET MID

Client Sample ID: CS-12 (12')

Lab Sample ID: 880-45592-2
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 13:24	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85074	07/03/24 13:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			85066	07/04/24 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 11:12	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	84967	07/03/24 11:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84978	07/03/24 19:27	CH	EET MID

Client Sample ID: CS-13 (12')

Lab Sample ID: 880-45592-3
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 13:45	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85074	07/03/24 13:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			85066	07/04/24 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 11:33	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	84967	07/03/24 11:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84978	07/03/24 19:34	CH	EET MID

Client Sample ID: SW-16 (12')

Lab Sample ID: 880-45592-4
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 14:05	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85074	07/03/24 14:05	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Client Sample ID: SW-16 (12')

Lab Sample ID: 880-45592-4
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

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			85066	07/04/24 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 11:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	84967	07/03/24 11:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84978	07/03/24 19:42	CH	EET MID

Client Sample ID: SW-17 (12')

Lab Sample ID: 880-45592-5
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 14:26	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85074	07/03/24 14:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			85066	07/04/24 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 12:14	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	84967	07/03/24 11:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84978	07/03/24 19:49	CH	EET MID

Client Sample ID: SW-18 (12')

Lab Sample ID: 880-45592-6
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

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	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 14:46	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85074	07/03/24 14:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			85066	07/04/24 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 12:34	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	84967	07/03/24 11:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84978	07/03/24 19:56	CH	EET MID

Client Sample ID: SW-19 (12')

Lab Sample ID: 880-45592-7
Matrix: Solid
Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	84960	07/03/24 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84939	07/03/24 15:07	EL	EET MID
Total/NA	Analysis	Total BTEX		1			85074	07/03/24 15:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			85066	07/04/24 12:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84959	07/03/24 10:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84995	07/04/24 12:55	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Client Sample ID: SW-19 (12')

Date Collected: 07/02/24 00:00
Date Received: 07/03/24 09:08

Lab Sample ID: 880-45592-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	84989	07/03/24 16:33	SA	EET MID
Soluble	Analysis	300.0		1			85023	07/04/24 11:36	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-45592-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-45592-1	CS-11 (12')	Solid	07/02/24 00:00	07/03/24 09:08
880-45592-2	CS-12 (12')	Solid	07/02/24 00:00	07/03/24 09:08
880-45592-3	CS-13 (12')	Solid	07/02/24 00:00	07/03/24 09:08
880-45592-4	SW-16 (12')	Solid	07/02/24 00:00	07/03/24 09:08
880-45592-5	SW-17 (12')	Solid	07/02/24 00:00	07/03/24 09:08
880-45592-6	SW-18 (12')	Solid	07/02/24 00:00	07/03/24 09:08
880-45592-7	SW-19 (12')	Solid	07/02/24 00:00	07/03/24 09:08

Page 400 of 702

Chain of Custody

Work

880-45592 Chain of Custody

7/5/2024

Page ___1___ of ___1___

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.7
Total Containers:		Corrected Temperature:	3.6

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-11 (12')	7/2/2024		X		C	1		X	X	X		
CS-12 (12')	7/2/2024		X		C	1		X	X	X		
CS-13 (12')	7/2/2024		X		C	1		X	X	X		
SW-16 (12')	7/2/2024		X		C	1		X	X	X		
SW-17 (12')	7/2/2024		X		C	1		X	X	X		
SW-18 (12')	7/2/2024		X		C	1		X	X	X		
SW-19 (12')	7/2/2024		X		C	1		X	X	X		

Parameters

ANALYSIS REQUEST

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		7/3/24 0908	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Page 27 of 28

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-45592-1
SDG Number: Lea County, NM

Login Number: 45592
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 7/16/2024 3:29:46 PM

JOB DESCRIPTION

Uracas 8 (05.01.2420)
Lea County

JOB NUMBER

880-45998-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 10/22/2024 11:31:47 AM

my EOL

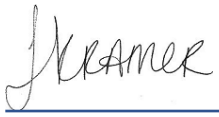
Eurofins Midland

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
7/16/2024 3:29:46 PM

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

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Laboratory Job ID: 880-45998-1
SDG: Lea County

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 38
QC Sample Results 41
QC Association Summary 53
Lab Chronicle 63
Certification Summary 76
Method Summary 77
Sample Summary 78
Chain of Custody 79
Receipt Checklists 84

Definitions/Glossary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2420)

Job ID: 880-45998-1

Job ID: 880-45998-1 Eurofins Midland

Job Narrative
880-45998-1

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 7/15/2024 3:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.1°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-14 (12') (880-45998-1), CS-15 (6.0') (880-45998-2), CS-16 (5.0') (880-45998-3), CS-17 (5.0') (880-45998-4), CS-18 (8.0') (880-45998-5), CS-19 (8.0') (880-45998-6), CS-20 (5.0') (880-45998-7), CS-21 (5.0') (880-45998-8), CS-22 (5.0') (880-45998-9), CS-23 (5.0') (880-45998-10), CS-24 (5.0') (880-45998-11), CS-25 (5.0') (880-45998-12), CS-26 (5.0') (880-45998-13), CS-27 (5.0') (880-45998-14), CS-28 (5.0') (880-45998-15), CS-29 (5.0') (880-45998-16), CS-30 (6.0') (880-45998-17), CS-31 (6.0') (880-45998-18), SW-20 (12') (880-45998-19), SW-21 (12') (880-45998-20), SW-22 (6.0') (880-45998-21), SW-23 (12') (880-45998-22), SW-24 (6.0') (880-45998-23), SW-25 (6.0') (880-45998-24), SW-26 (1.0') (880-45998-25), SW-27 (5.0') (880-45998-26), SW-28 (5.0') (880-45998-27), SW-29 (4.0') (880-45998-28), SW-30 (8.0') (880-45998-29), SW-31 (8.0') (880-45998-30), SW-32 (3.0') (880-45998-31), SW-33 (5.0') (880-45998-32), SW-34 (5.0') (880-45998-33), SW-34 (5.0') (880-45998-34), SW-36 (5.0') (880-45998-35), SW-37 (5.0') (880-45998-36), SW-38 (5.0') (880-45998-37), SW-39 (6.0') (880-45998-38), SW-40 (6.0') (880-45998-39), SW-41 (6.0') (880-45998-40) and SW-42 (1.0') (880-45998-41).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-40 (6.0') (880-45998-39) and SW-41 (6.0') (880-45998-40). 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: CS-15 (6.0') (880-45998-2). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-85774 and analytical batch 880-85778 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 method blank for preparation batch 880-85774 and analytical batch 880-85778 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction and re-analysis of samples was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-85774 and analytical batch 880-85778 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: SW-24 (6.0') (880-45998-23), SW-26 (1.0') (880-45998-25), SW-27 (5.0') (880-45998-26), SW-28 (5.0') (880-45998-27), SW-30 (8.0') (880-45998-29), SW-31 (8.0') (880-45998-30), SW-32 (3.0') (880-45998-31), SW-33 (5.0') (880-45998-32), SW-34 (5.0') (880-45998-33), SW-34 (5.0') (880-45998-34), SW-36 (5.0') (880-45998-35), SW-37 (5.0') (880-45998-36), SW-38 (5.0') (880-45998-37), SW-39 (6.0') (880-45998-38), SW-40 (6.0') (880-45998-39) and SW-41 (6.0') (880-45998-40). Percent recoveries are based on the amount spiked.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2420)

Job ID: 880-45998-1

Job ID: 880-45998-1 (Continued) Eurofins Midland

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-22 (6.0') (880-45998-21), SW-23 (12') (880-45998-22), SW-25 (6.0') (880-45998-24) and SW-29 (4.0') (880-45998-28). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-85778 recovered above the upper control limit for 1-Chlorooctane and o-Terphenyl. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-85778/32) and (CCV 880-85778/6).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-85595 and analytical batch 880-85780 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-85595 and 880-85772 and analytical batch 880-85780 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-27 (5.0') (880-45998-14), (880-45900-A-11-B), (880-45998-A-1-G MS) and (880-45998-A-1-F MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-85780 recovered above the upper control limit for 1-Chlorooctane and o-Terphenyl. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-85780 recovered above the upper control limit for Diesel Range Organics (Over C10-C28), 1-Chlorooctane and o-Terphenyl. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: CS-14 (12') (880-45998-1), CS-15 (6.0') (880-45998-2), CS-16 (5.0') (880-45998-3), CS-17 (5.0') (880-45998-4), CS-18 (8.0') (880-45998-5), CS-19 (8.0') (880-45998-6), CS-20 (5.0') (880-45998-7), CS-21 (5.0') (880-45998-8), CS-22 (5.0') (880-45998-9), CS-23 (5.0') (880-45998-10), CS-24 (5.0') (880-45998-11), CS-25 (5.0') (880-45998-12), CS-26 (5.0') (880-45998-13), CS-28 (5.0') (880-45998-15), CS-29 (5.0') (880-45998-16), CS-30 (6.0') (880-45998-17), CS-31 (6.0') (880-45998-18), SW-20 (12') (880-45998-19), SW-21 (12') (880-45998-20) and SW-42 (1.0') (880-45998-41). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-85772/1-A). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-14 (12')

Lab Sample ID: 880-45998-1

Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/15/24 22:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:33	07/15/24 22:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:33	07/15/24 22:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/15/24 16:33	07/15/24 22:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:33	07/15/24 22:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/15/24 16:33	07/15/24 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*07/15/24 16:33*	*07/15/24 22:48*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/15/24 16:33*	*07/15/24 22:48*	*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			07/15/24 22:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			07/15/24 21:40	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	<50.2	U F1	50.2		mg/Kg		07/15/24 16:59	07/15/24 21:40	1
Diesel Range Organics (Over C10-C28)	<50.2	U F1	50.2		mg/Kg		07/15/24 16:59	07/15/24 21:40	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/15/24 16:59	07/15/24 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 21:40*	*1*
o-Terphenyl	*60*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 21:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.8**		4.98		mg/Kg			07/15/24 23:52	1

Client Sample ID: CS-15 (6.0')

Lab Sample ID: 880-45998-2

Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/15/24 23:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/15/24 23:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/15/24 23:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/15/24 16:33	07/15/24 23:08	1
o-Xylene	**0.00382**		0.00200		mg/Kg		07/15/24 16:33	07/15/24 23:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/15/24 16:33	07/15/24 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*07/15/24 16:33*	*07/15/24 23:08*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/15/24 16:33*	*07/15/24 23:08*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-15 (6.0')

Lab Sample ID: 880-45998-2
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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			07/15/24 23:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**236**		50.5		mg/Kg			07/15/24 22:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		07/15/24 16:59	07/15/24 22:24	1
Diesel Range Organics (Over C10-C28)	**236**		50.5		mg/Kg		07/15/24 16:59	07/15/24 22:24	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/15/24 16:59	07/15/24 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*66*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 22:24*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 22:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.1**		4.98		mg/Kg			07/16/24 00:08	1

Client Sample ID: CS-16 (5.0')

Lab Sample ID: 880-45998-3
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/15/24 23:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/15/24 23:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/15/24 23:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/15/24 16:33	07/15/24 23:29	1
o-Xylene	**0.0192**		0.00200		mg/Kg		07/15/24 16:33	07/15/24 23:29	1
Xylenes, Total	**0.0192**		0.00399		mg/Kg		07/15/24 16:33	07/15/24 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*07/15/24 16:33*	*07/15/24 23:29*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/15/24 23:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0192**		0.00399		mg/Kg			07/15/24 23:29	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			07/15/24 22:40	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		07/15/24 16:59	07/15/24 22:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/15/24 16:59	07/15/24 22:40	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-16 (5.0')

Lab Sample ID: 880-45998-3
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/15/24 16:59	07/15/24 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*62*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 22:40*	*1*
o-Terphenyl	*59*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 22:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.0**		4.98		mg/Kg			07/16/24 00:13	1

Client Sample ID: CS-17 (5.0')

Lab Sample ID: 880-45998-4
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/15/24 23:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/15/24 23:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/15/24 23:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/15/24 23:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/15/24 23:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/15/24 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*07/15/24 16:33*	*07/15/24 23:49*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/15/24 16:33*	*07/15/24 23:49*	*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			07/15/24 23:49	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			07/15/24 22:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/15/24 16:59	07/15/24 22:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/15/24 16:59	07/15/24 22:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/15/24 16:59	07/15/24 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*66*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 22:55*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 22:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.5**		5.02		mg/Kg			07/16/24 00:18	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-18 (8.0')

Lab Sample ID: 880-45998-5
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 00:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 00:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 00:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 00:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 00:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/15/24 16:33*	*07/16/24 00:09*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/15/24 16:33*	*07/16/24 00:09*	*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			07/16/24 00:09	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			07/15/24 23:09	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	<49.7	U	49.7		mg/Kg		07/15/24 16:59	07/15/24 23:09	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/15/24 16:59	07/15/24 23:09	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/15/24 16:59	07/15/24 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*66*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 23:09*	*1*
o-Terphenyl	*60*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 23:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.7**		4.96		mg/Kg			07/16/24 00:23	1

Client Sample ID: CS-19 (8.0')

Lab Sample ID: 880-45998-6
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 00:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/16/24 00:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/16/24 00:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/15/24 16:33	07/16/24 00:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/16/24 00:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/15/24 16:33	07/16/24 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*07/15/24 16:33*	*07/16/24 00:30*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/16/24 00:30*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-19 (8.0')

Lab Sample ID: 880-45998-6
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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			07/16/24 00:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			07/15/24 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		07/15/24 16:59	07/15/24 23:25	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		07/15/24 16:59	07/15/24 23:25	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		07/15/24 16:59	07/15/24 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 23:25*	*1*
o-Terphenyl	*59*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 23:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.7**		4.98		mg/Kg			07/16/24 00:39	1

Client Sample ID: CS-20 (5.0')

Lab Sample ID: 880-45998-7
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 00:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:33	07/16/24 00:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:33	07/16/24 00:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/15/24 16:33	07/16/24 00:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:33	07/16/24 00:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/15/24 16:33	07/16/24 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/15/24 16:33*	*07/16/24 00:50*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/15/24 16:33*	*07/16/24 00:50*	*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			07/16/24 00:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**163**		50.4		mg/Kg			07/15/24 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/15/24 16:59	07/15/24 23:39	1
Diesel Range Organics (Over C10-C28)	**163**		50.4		mg/Kg		07/15/24 16:59	07/15/24 23:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-20 (5.0')

Lab Sample ID: 880-45998-7
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/15/24 16:59	07/15/24 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 23:39*	*1*
o-Terphenyl	*65*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 23:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.6**		5.02		mg/Kg			07/16/24 00:44	1

Client Sample ID: CS-21 (5.0')

Lab Sample ID: 880-45998-8
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 01:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/15/24 16:33	07/16/24 01:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/15/24 16:33	07/16/24 01:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/15/24 16:33	07/16/24 01:11	1
o-Xylene	**0.0327**		0.00202		mg/Kg		07/15/24 16:33	07/16/24 01:11	1
Xylenes, Total	**0.0327**		0.00404		mg/Kg		07/15/24 16:33	07/16/24 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*07/15/24 16:33*	*07/16/24 01:11*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/15/24 16:33*	*07/16/24 01:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0327**		0.00404		mg/Kg			07/16/24 01:11	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			07/15/24 23:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		07/15/24 16:59	07/15/24 23:54	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/15/24 16:59	07/15/24 23:54	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/15/24 16:59	07/15/24 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 23:54*	*1*
o-Terphenyl	*59*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/15/24 23:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**		4.97		mg/Kg			07/16/24 00:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-22 (5.0')

Lab Sample ID: 880-45998-9
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 01:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 01:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 01:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 01:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 01:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/15/24 16:33*	*07/16/24 01:31*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/15/24 16:33*	*07/16/24 01:31*	*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			07/16/24 01:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/16/24 00:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/15/24 16:59	07/16/24 00:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/15/24 16:59	07/16/24 00:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/15/24 16:59	07/16/24 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*64*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 00:10*	*1*
o-Terphenyl	*57*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 00:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**317**		4.96		mg/Kg			07/16/24 00:55	1

Client Sample ID: CS-23 (5.0')

Lab Sample ID: 880-45998-10
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 01:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 01:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 01:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 01:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 01:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*07/15/24 16:33*	*07/16/24 01:52*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/15/24 16:33*	*07/16/24 01:52*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-23 (5.0')

Lab Sample ID: 880-45998-10
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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			07/16/24 01:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/16/24 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/15/24 16:59	07/16/24 00:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/15/24 16:59	07/16/24 00:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/15/24 16:59	07/16/24 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*60*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 00:25*	*1*
o-Terphenyl	*54*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 00:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**272**		4.98		mg/Kg			07/16/24 01:00	1

Client Sample ID: CS-24 (5.0')

Lab Sample ID: 880-45998-11
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 03:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:33	07/16/24 03:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:33	07/16/24 03:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/15/24 16:33	07/16/24 03:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:33	07/16/24 03:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/15/24 16:33	07/16/24 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/15/24 16:33*	*07/16/24 03:25*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/16/24 03:25*	*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			07/16/24 03:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			07/16/24 00:55	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		07/15/24 16:59	07/16/24 00:55	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/15/24 16:59	07/16/24 00:55	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-24 (5.0')

Lab Sample ID: 880-45998-11
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/15/24 16:59	07/16/24 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 00:55*	*1*
o-Terphenyl	*59*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 00:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**232**		5.02		mg/Kg			07/16/24 01:05	1

Client Sample ID: CS-25 (5.0')

Lab Sample ID: 880-45998-12
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 03:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 03:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 03:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 03:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 03:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 03:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*07/15/24 16:33*	*07/16/24 03:45*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/15/24 16:33*	*07/16/24 03:45*	*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			07/16/24 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			07/16/24 01:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		07/15/24 16:59	07/16/24 01:10	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		07/15/24 16:59	07/16/24 01:10	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/15/24 16:59	07/16/24 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*62*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 01:10*	*1*
o-Terphenyl	*57*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 01:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**187**		5.05		mg/Kg			07/16/24 01:21	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-26 (5.0')

Lab Sample ID: 880-45998-13
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 04:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 04:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 04:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 04:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 04:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*07/15/24 16:33*	*07/16/24 04:06*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/16/24 04:06*	*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			07/16/24 04:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/16/24 01:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/15/24 16:59	07/16/24 01:25	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		07/15/24 16:59	07/16/24 01:25	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/15/24 16:59	07/16/24 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 01:25*	*1*
o-Terphenyl	*58*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 01:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**181**		4.97		mg/Kg			07/16/24 01:26	1

Client Sample ID: CS-27 (5.0')

Lab Sample ID: 880-45998-14
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 04:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 04:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 04:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 04:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 04:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/15/24 16:33*	*07/16/24 04:26*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/16/24 04:26*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-27 (5.0')

Lab Sample ID: 880-45998-14
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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			07/16/24 04:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/16/24 01:40	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	<50.5	U	50.5		mg/Kg		07/15/24 16:59	07/16/24 01:40	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/15/24 16:59	07/16/24 01:40	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/15/24 16:59	07/16/24 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*07/15/24 16:59*	*07/16/24 01:40*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 01:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	191		4.96		mg/Kg			07/16/24 01:42	1

Client Sample ID: CS-28 (5.0')

Lab Sample ID: 880-45998-15
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 04:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/16/24 04:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/16/24 04:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/15/24 16:33	07/16/24 04:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/16/24 04:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/15/24 16:33	07/16/24 04:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*07/15/24 16:33*	*07/16/24 04:46*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/15/24 16:33*	*07/16/24 04:46*	*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			07/16/24 04:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			07/16/24 01:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/15/24 16:59	07/16/24 01:54	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/15/24 16:59	07/16/24 01:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-28 (5.0')

Lab Sample ID: 880-45998-15
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/15/24 16:59	07/16/24 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 01:54*	*1*
o-Terphenyl	*59*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 01:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**200**		4.98		mg/Kg			07/16/24 01:48	1

Client Sample ID: CS-29 (5.0')

Lab Sample ID: 880-45998-16
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 05:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 05:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 05:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 05:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 05:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 05:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*07/15/24 16:33*	*07/16/24 05:07*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/15/24 16:33*	*07/16/24 05:07*	*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			07/16/24 05:07	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			07/16/24 02:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/15/24 16:59	07/16/24 02:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/15/24 16:59	07/16/24 02:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/15/24 16:59	07/16/24 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 02:10*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 02:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.1**		5.02		mg/Kg			07/16/24 01:53	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-30 (6.0')

Lab Sample ID: 880-45998-17
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 05:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/15/24 16:33	07/16/24 05:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/15/24 16:33	07/16/24 05:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/15/24 16:33	07/16/24 05:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/15/24 16:33	07/16/24 05:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/15/24 16:33	07/16/24 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*07/15/24 16:33*	*07/16/24 05:27*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/16/24 05:27*	*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			07/16/24 05:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/16/24 02:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/15/24 16:59	07/16/24 02:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/15/24 16:59	07/16/24 02:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/15/24 16:59	07/16/24 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 02:25*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 02:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.1**		5.03		mg/Kg			07/16/24 01:58	1

Client Sample ID: CS-31 (6.0')

Lab Sample ID: 880-45998-18
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 05:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/16/24 05:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/16/24 05:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/15/24 16:33	07/16/24 05:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/16/24 05:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/15/24 16:33	07/16/24 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*07/15/24 16:33*	*07/16/24 05:48*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/16/24 05:48*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-31 (6.0')

Lab Sample ID: 880-45998-18
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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			07/16/24 05:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/16/24 02:41	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		07/15/24 16:59	07/16/24 02:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/15/24 16:59	07/16/24 02:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/15/24 16:59	07/16/24 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*63*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 02:41*	*1*
o-Terphenyl	*57*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 02:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.0**		5.01		mg/Kg			07/16/24 02:03	1

Client Sample ID: SW-20 (12')

Lab Sample ID: 880-45998-19
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 06:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/16/24 06:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/16/24 06:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/15/24 16:33	07/16/24 06:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/16/24 06:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/15/24 16:33	07/16/24 06:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*07/15/24 16:33*	*07/16/24 06:08*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/16/24 06:08*	*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			07/16/24 06:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			07/16/24 02:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		07/15/24 16:59	07/16/24 02:56	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		07/15/24 16:59	07/16/24 02:56	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-20 (12')

Lab Sample ID: 880-45998-19
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/15/24 16:59	07/16/24 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*61*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 02:56*	*1*
o-Terphenyl	*54*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 02:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.4**		5.04		mg/Kg			07/16/24 02:08	1

Client Sample ID: SW-21 (12')

Lab Sample ID: 880-45998-20
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:33	07/16/24 06:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 06:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 06:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 06:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:33	07/16/24 06:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:33	07/16/24 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/15/24 16:33*	*07/16/24 06:29*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/15/24 16:33*	*07/16/24 06:29*	*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			07/16/24 06:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/16/24 03:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		07/15/24 16:59	07/16/24 03:10	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/15/24 16:59	07/16/24 03:10	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/15/24 16:59	07/16/24 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*64*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 03:10*	*1*
o-Terphenyl	*56*	*S1-*	*70 - 130*	*07/15/24 16:59*	*07/16/24 03:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.9**		5.02		mg/Kg			07/16/24 02:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-22 (6.0')

Lab Sample ID: 880-45998-21
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 01:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:34	07/16/24 01:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:34	07/16/24 01:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/15/24 16:34	07/16/24 01:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:34	07/16/24 01:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/15/24 16:34	07/16/24 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*07/15/24 16:34*	*07/16/24 01:37*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*07/15/24 16:34*	*07/16/24 01:37*	*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			07/16/24 01:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.6**		50.4		mg/Kg			07/15/24 21:40	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	<50.4	U F1	50.4		mg/Kg		07/15/24 17:02	07/15/24 21:40	1
Diesel Range Organics (Over C10-C28)	**55.6**	**F1**	50.4		mg/Kg		07/15/24 17:02	07/15/24 21:40	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/15/24 17:02	07/15/24 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/15/24 21:40*	*1*
o-Terphenyl	*75*		*70 - 130*	*07/15/24 17:02*	*07/15/24 21:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.9**		4.96		mg/Kg			07/16/24 02:55	1

Client Sample ID: SW-23 (12')

Lab Sample ID: 880-45998-22
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 01:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 01:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 01:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/15/24 16:34	07/16/24 01:57	1
o-Xylene	**0.00204**		0.00200		mg/Kg		07/15/24 16:34	07/16/24 01:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/15/24 16:34	07/16/24 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/15/24 16:34*	*07/16/24 01:57*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/15/24 16:34*	*07/16/24 01:57*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-23 (12')

Lab Sample ID: 880-45998-22
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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			07/16/24 01:57	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			07/15/24 22:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/15/24 17:02	07/15/24 22:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/15/24 17:02	07/15/24 22:24	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/15/24 17:02	07/15/24 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*61*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/15/24 22:24*	*1*
o-Terphenyl	*70*		*70 - 130*	*07/15/24 17:02*	*07/15/24 22:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.5**		4.96		mg/Kg			07/16/24 03:11	1

Client Sample ID: SW-24 (6.0')

Lab Sample ID: 880-45998-23
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 02:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 02:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 02:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/15/24 16:34	07/16/24 02:17	1
o-Xylene	**0.00967**		0.00200		mg/Kg		07/15/24 16:34	07/16/24 02:17	1
Xylenes, Total	**0.00967**		0.00399		mg/Kg		07/15/24 16:34	07/16/24 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*07/15/24 16:34*	*07/16/24 02:17*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/15/24 16:34*	*07/16/24 02:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00967**		0.00399		mg/Kg			07/16/24 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	<49.9	U	49.9		mg/Kg			07/15/24 22:40	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	<49.9	U	49.9		mg/Kg		07/15/24 17:02	07/15/24 22:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/15/24 17:02	07/15/24 22:40	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-24 (6.0')

Lab Sample ID: 880-45998-23
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/15/24 17:02	07/15/24 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*56*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/15/24 22:40*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/15/24 22:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**346**		4.98		mg/Kg			07/16/24 03:16	1

Client Sample ID: SW-25 (6.0')

Lab Sample ID: 880-45998-24
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 02:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 02:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 02:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 02:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 02:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/15/24 16:34*	*07/16/24 02:38*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/15/24 16:34*	*07/16/24 02:38*	*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			07/16/24 02:38	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			07/15/24 22:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/15/24 17:02	07/15/24 22:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/15/24 17:02	07/15/24 22:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/15/24 17:02	07/15/24 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*61*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/15/24 22:55*	*1*
o-Terphenyl	*72*		*70 - 130*	*07/15/24 17:02*	*07/15/24 22:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**306**		5.02		mg/Kg			07/16/24 03:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-26 (1.0')

Lab Sample ID: 880-45998-25
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 02:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 02:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 02:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 02:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 02:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/15/24 16:34*	*07/16/24 02:58*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/15/24 16:34*	*07/16/24 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			07/16/24 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	<50.0	U	50.0		mg/Kg			07/15/24 23:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/15/24 17:02	07/15/24 23:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/15/24 17:02	07/15/24 23:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/15/24 17:02	07/15/24 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*58*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/15/24 23:09*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/15/24 23:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**194**		4.98		mg/Kg			07/16/24 03:27	1

Client Sample ID: SW-27 (5.0')

Lab Sample ID: 880-45998-26
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 03:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 03:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 03:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/15/24 16:34	07/16/24 03:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 03:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/15/24 16:34	07/16/24 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/15/24 16:34*	*07/16/24 03:18*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/15/24 16:34*	*07/16/24 03:18*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-27 (5.0')

Lab Sample ID: 880-45998-26
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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			07/16/24 03:18	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			07/15/24 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/15/24 17:02	07/15/24 23:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/15/24 17:02	07/15/24 23:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/15/24 17:02	07/15/24 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*56*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/15/24 23:25*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/15/24 23:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**390**		5.03		mg/Kg			07/16/24 03:42	1

Client Sample ID: SW-28 (5.0')

Lab Sample ID: 880-45998-27
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 03:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:34	07/16/24 03:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:34	07/16/24 03:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/15/24 16:34	07/16/24 03:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:34	07/16/24 03:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/15/24 16:34	07/16/24 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/15/24 16:34*	*07/16/24 03:39*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/15/24 16:34*	*07/16/24 03:39*	*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			07/16/24 03:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/15/24 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/15/24 17:02	07/15/24 23:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/15/24 17:02	07/15/24 23:39	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-28 (5.0')

Lab Sample ID: 880-45998-27
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/15/24 17:02	07/15/24 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*58*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/15/24 23:39*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/15/24 23:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**134**		4.97		mg/Kg			07/16/24 03:48	1

Client Sample ID: SW-29 (4.0')

Lab Sample ID: 880-45998-28
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 03:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/15/24 16:34	07/16/24 03:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/15/24 16:34	07/16/24 03:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/15/24 16:34	07/16/24 03:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/15/24 16:34	07/16/24 03:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/15/24 16:34	07/16/24 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/15/24 16:34*	*07/16/24 03:59*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/15/24 16:34*	*07/16/24 03:59*	*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			07/16/24 03:59	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			07/15/24 23:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/15/24 17:02	07/15/24 23:54	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/15/24 17:02	07/15/24 23:54	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/15/24 17:02	07/15/24 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*62*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/15/24 23:54*	*1*
o-Terphenyl	*73*		*70 - 130*	*07/15/24 17:02*	*07/15/24 23:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**160**		4.96		mg/Kg			07/16/24 03:53	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-30 (8.0')

Lab Sample ID: 880-45998-29
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 04:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 04:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 04:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 04:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 04:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/15/24 16:34*	*07/16/24 04:20*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/15/24 16:34*	*07/16/24 04:20*	*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			07/16/24 04:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			07/16/24 00:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		07/15/24 17:02	07/16/24 00:10	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		07/15/24 17:02	07/16/24 00:10	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		07/15/24 17:02	07/16/24 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*54*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 00:10*	*1*
o-Terphenyl	*61*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 00:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.4**		4.98		mg/Kg			07/16/24 03:58	1

Client Sample ID: SW-31 (8.0')

Lab Sample ID: 880-45998-30
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 04:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 04:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 04:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 04:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 04:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*07/15/24 16:34*	*07/16/24 04:40*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/15/24 16:34*	*07/16/24 04:40*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-31 (8.0')

Lab Sample ID: 880-45998-30
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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			07/16/24 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	<50.1	U	50.1		mg/Kg			07/16/24 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		07/15/24 17:02	07/16/24 00:25	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/15/24 17:02	07/16/24 00:25	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/15/24 17:02	07/16/24 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*56*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 00:25*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 00:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.7**		5.02		mg/Kg			07/16/24 04:03	1

Client Sample ID: SW-32 (3.0')

Lab Sample ID: 880-45998-31
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 06:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:34	07/16/24 06:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:34	07/16/24 06:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/15/24 16:34	07/16/24 06:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/15/24 16:34	07/16/24 06:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/15/24 16:34	07/16/24 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/15/24 16:34*	*07/16/24 06:03*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/15/24 16:34*	*07/16/24 06:03*	*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			07/16/24 06:03	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			07/16/24 00:55	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	<50.4	U	50.4		mg/Kg		07/15/24 17:02	07/16/24 00:55	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		07/15/24 17:02	07/16/24 00:55	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-32 (3.0')

Lab Sample ID: 880-45998-31
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/15/24 17:02	07/16/24 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*57*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 00:55*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 00:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.7**		4.99		mg/Kg			07/16/24 04:09	1

Client Sample ID: SW-33 (5.0')

Lab Sample ID: 880-45998-32
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 06:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 06:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 06:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 06:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 06:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 06:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/15/24 16:34*	*07/16/24 06:23*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/15/24 16:34*	*07/16/24 06:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/16/24 06:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/16/24 01:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		07/15/24 17:02	07/16/24 01:10	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/15/24 17:02	07/16/24 01:10	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/15/24 17:02	07/16/24 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*54*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 01:10*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 01:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.4**		5.02		mg/Kg			07/16/24 04:24	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-34 (5.0')

Lab Sample ID: 880-45998-33
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 06:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 06:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 06:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 06:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 06:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*07/15/24 16:34*	*07/16/24 06:43*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/15/24 16:34*	*07/16/24 06:43*	*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			07/16/24 06:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/16/24 01:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/15/24 17:02	07/16/24 01:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/15/24 17:02	07/16/24 01:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/15/24 17:02	07/16/24 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*53*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 01:25*	*1*
o-Terphenyl	*60*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 01:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.4**		4.97		mg/Kg			07/16/24 04:29	1

Client Sample ID: SW-34 (5.0')

Lab Sample ID: 880-45998-34
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 07:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 07:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 07:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 07:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 07:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 07:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/15/24 16:34*	*07/16/24 07:04*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/15/24 16:34*	*07/16/24 07:04*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-34 (5.0')

Lab Sample ID: 880-45998-34
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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			07/16/24 07:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/16/24 01:40	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	<49.9	U	49.9		mg/Kg		07/15/24 17:02	07/16/24 01:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/15/24 17:02	07/16/24 01:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/15/24 17:02	07/16/24 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*54*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 01:40*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 01:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.7**		4.96		mg/Kg			07/16/24 04:45	1

Client Sample ID: SW-36 (5.0')

Lab Sample ID: 880-45998-35
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 07:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 07:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 07:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/15/24 16:34	07/16/24 07:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 07:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/15/24 16:34	07/16/24 07:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/15/24 16:34*	*07/16/24 07:24*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/15/24 16:34*	*07/16/24 07:24*	*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			07/16/24 07:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/16/24 01:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/15/24 17:02	07/16/24 01:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/15/24 17:02	07/16/24 01:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-36 (5.0')

Lab Sample ID: 880-45998-35
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/15/24 17:02	07/16/24 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*60*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 01:54*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 01:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.8**		4.98		mg/Kg			07/16/24 04:50	1

Client Sample ID: SW-37 (5.0')

Lab Sample ID: 880-45998-36
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 07:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 07:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 07:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 07:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/15/24 16:34	07/16/24 07:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/15/24 16:34	07/16/24 07:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/15/24 16:34*	*07/16/24 07:44*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/15/24 16:34*	*07/16/24 07:44*	*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			07/16/24 07:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			07/16/24 02:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/15/24 17:02	07/16/24 02:10	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/15/24 17:02	07/16/24 02:10	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/15/24 17:02	07/16/24 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*51*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 02:10*	*1*
o-Terphenyl	*59*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 02:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			07/16/24 04:56	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-38 (5.0')

Lab Sample ID: 880-45998-37
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 08:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/15/24 16:34	07/16/24 08:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/15/24 16:34	07/16/24 08:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/15/24 16:34	07/16/24 08:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/15/24 16:34	07/16/24 08:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/15/24 16:34	07/16/24 08:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/15/24 16:34*	*07/16/24 08:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/15/24 16:34*	*07/16/24 08:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/16/24 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	<50.2	U	50.2		mg/Kg			07/16/24 02:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		07/15/24 17:02	07/16/24 02:25	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		07/15/24 17:02	07/16/24 02:25	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/15/24 17:02	07/16/24 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*53*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 02:25*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 02:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.8**		4.97		mg/Kg			07/16/24 05:01	1

Client Sample ID: SW-39 (6.0')

Lab Sample ID: 880-45998-38
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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		07/15/24 16:34	07/16/24 08:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 08:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 08:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/15/24 16:34	07/16/24 08:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 08:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/15/24 16:34	07/16/24 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/15/24 16:34*	*07/16/24 08:25*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*07/15/24 16:34*	*07/16/24 08:25*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-39 (6.0')

Lab Sample ID: 880-45998-38
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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			07/16/24 08:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			07/16/24 02:41	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	<50.2	U	50.2		mg/Kg		07/15/24 17:02	07/16/24 02:41	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		07/15/24 17:02	07/16/24 02:41	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/15/24 17:02	07/16/24 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*55*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 02:41*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 02:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.5**		5.01		mg/Kg			07/16/24 05:06	1

Client Sample ID: SW-40 (6.0')

Lab Sample ID: 880-45998-39
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00749**		0.00200		mg/Kg		07/15/24 16:34	07/16/24 08:45	1
Toluene	**0.128**		0.00200		mg/Kg		07/15/24 16:34	07/16/24 08:45	1
Ethylbenzene	**0.0627**		0.00200		mg/Kg		07/15/24 16:34	07/16/24 08:45	1
m-Xylene & p-Xylene	**0.236**		0.00401		mg/Kg		07/15/24 16:34	07/16/24 08:45	1
o-Xylene	**0.0800**		0.00200		mg/Kg		07/15/24 16:34	07/16/24 08:45	1
Xylenes, Total	**0.316**		0.00401		mg/Kg		07/15/24 16:34	07/16/24 08:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*07/15/24 16:34*	*07/16/24 08:45*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/15/24 16:34*	*07/16/24 08:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.514**		0.00401		mg/Kg			07/16/24 08:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/16/24 02:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/15/24 17:02	07/16/24 02:56	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		07/15/24 17:02	07/16/24 02:56	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-40 (6.0')

Lab Sample ID: 880-45998-39
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/15/24 17:02	07/16/24 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*57*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 02:56*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 02:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.0**		5.01		mg/Kg			07/16/24 05:11	1

Client Sample ID: SW-41 (6.0')

Lab Sample ID: 880-45998-40
Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00562**		0.00199		mg/Kg		07/15/24 16:34	07/16/24 09:06	1
Toluene	**0.0944**		0.00199		mg/Kg		07/15/24 16:34	07/16/24 09:06	1
Ethylbenzene	**0.0446**		0.00199		mg/Kg		07/15/24 16:34	07/16/24 09:06	1
m-Xylene & p-Xylene	**0.172**		0.00398		mg/Kg		07/15/24 16:34	07/16/24 09:06	1
o-Xylene	**0.0595**		0.00199		mg/Kg		07/15/24 16:34	07/16/24 09:06	1
Xylenes, Total	**0.232**		0.00398		mg/Kg		07/15/24 16:34	07/16/24 09:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*07/15/24 16:34*	*07/16/24 09:06*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/15/24 16:34*	*07/16/24 09:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.376**		0.00398		mg/Kg			07/16/24 09:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			07/16/24 03:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		07/15/24 17:02	07/16/24 03:10	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		07/15/24 17:02	07/16/24 03:10	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/15/24 17:02	07/16/24 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*50*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 03:10*	*1*
o-Terphenyl	*56*	*S1-*	*70 - 130*	*07/15/24 17:02*	*07/16/24 03:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.1**		5.05		mg/Kg			07/16/24 05:17	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-42 (1.0')

Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

Lab Sample ID: 880-45998-41

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		07/16/24 09:17	07/16/24 12:56	1
Toluene	**0.00958**		0.00200		mg/Kg		07/16/24 09:17	07/16/24 12:56	1
Ethylbenzene	**0.00462**		0.00200		mg/Kg		07/16/24 09:17	07/16/24 12:56	1
m-Xylene & p-Xylene	**0.0225**		0.00401		mg/Kg		07/16/24 09:17	07/16/24 12:56	1
o-Xylene	**0.00668**		0.00200		mg/Kg		07/16/24 09:17	07/16/24 12:56	1
Xylenes, Total	**0.0292**		0.00401		mg/Kg		07/16/24 09:17	07/16/24 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*07/16/24 09:17*	*07/16/24 12:56*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/16/24 09:17*	*07/16/24 12:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0434**		0.00401		mg/Kg			07/16/24 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/16/24 05:40	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	<50.5	U	50.5		mg/Kg		07/12/24 14:02	07/16/24 05:40	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/12/24 14:02	07/16/24 05:40	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/12/24 14:02	07/16/24 05:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*60*	*S1-*	*70 - 130*	*07/12/24 14:02*	*07/16/24 05:40*	*1*
o-Terphenyl	*54*	*S1-*	*70 - 130*	*07/12/24 14:02*	*07/16/24 05:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.6**		4.98		mg/Kg			07/16/24 10:44	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-45989-A-9-C MS	Matrix Spike	110	90										
880-45989-A-9-D MSD	Matrix Spike Duplicate	109	92										
880-45998-1	CS-14 (12')	119	94										
880-45998-1 MS	CS-14 (12')	118	100										
880-45998-1 MSD	CS-14 (12')	115	98										
880-45998-2	CS-15 (6.0')	131 S1+	98										
880-45998-3	CS-16 (5.0')	116	90										
880-45998-4	CS-17 (5.0')	117	89										
880-45998-5	CS-18 (8.0')	114	89										
880-45998-6	CS-19 (8.0')	118	90										
880-45998-7	CS-20 (5.0')	114	89										
880-45998-8	CS-21 (5.0')	119	89										
880-45998-9	CS-22 (5.0')	115	89										
880-45998-10	CS-23 (5.0')	121	93										
880-45998-11	CS-24 (5.0')	115	90										
880-45998-12	CS-25 (5.0')	117	89										
880-45998-13	CS-26 (5.0')	117	90										
880-45998-14	CS-27 (5.0')	114	90										
880-45998-15	CS-28 (5.0')	117	89										
880-45998-16	CS-29 (5.0')	118	91										
880-45998-17	CS-30 (6.0')	116	90										
880-45998-18	CS-31 (6.0')	117	90										
880-45998-19	SW-20 (12')	116	90										
880-45998-20	SW-21 (12')	115	90										
880-45998-21	SW-22 (6.0')	106	95										
880-45998-21 MS	SW-22 (6.0')	102	106										
880-45998-21 MSD	SW-22 (6.0')	116	115										
880-45998-22	SW-23 (12')	112	92										
880-45998-23	SW-24 (6.0')	106	93										
880-45998-24	SW-25 (6.0')	109	91										
880-45998-25	SW-26 (1.0')	108	92										
880-45998-26	SW-27 (5.0')	114	92										
880-45998-27	SW-28 (5.0')	111	93										
880-45998-28	SW-29 (4.0')	115	93										
880-45998-29	SW-30 (8.0')	113	94										
880-45998-30	SW-31 (8.0')	114	94										
880-45998-31	SW-32 (3.0')	109	93										
880-45998-32	SW-33 (5.0')	109	94										
880-45998-33	SW-34 (5.0')	117	93										
880-45998-34	SW-34 (5.0')	109	94										
880-45998-35	SW-36 (5.0')	109	94										
880-45998-36	SW-37 (5.0')	115	93										
880-45998-37	SW-38 (5.0')	112	93										
880-45998-38	SW-39 (6.0')	115	95										
880-45998-39	SW-40 (6.0')	137 S1+	96										
880-45998-40	SW-41 (6.0')	132 S1+	98										
880-45998-41	SW-42 (1.0')	121	94										
LCS 880-85763/1-A	Lab Control Sample	109	92										
LCS 880-85764/1-A	Lab Control Sample	93	95										

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-85799/1-A	Lab Control Sample	110	91
LCSD 880-85763/2-A	Lab Control Sample Dup	108	92
LCSD 880-85764/2-A	Lab Control Sample Dup	95	95
LCSD 880-85799/2-A	Lab Control Sample Dup	109	92
MB 880-85663/5-A	Method Blank	113	87
MB 880-85687/5-A	Method Blank	103	86
MB 880-85763/5-A	Method Blank	112	85
MB 880-85764/5-A	Method Blank	101	85
MB 880-85799/5-A	Method Blank	110	84

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-45900-A-11-C MS	Matrix Spike	90	73
880-45900-A-11-D MSD	Matrix Spike Duplicate	79	64 S1-
880-45998-1	CS-14 (12')	65 S1-	60 S1-
880-45998-1 MS	CS-14 (12')	82	67 S1-
880-45998-1 MSD	CS-14 (12')	78	64 S1-
880-45998-2	CS-15 (6.0')	66 S1-	69 S1-
880-45998-3	CS-16 (5.0')	62 S1-	59 S1-
880-45998-4	CS-17 (5.0')	66 S1-	62 S1-
880-45998-5	CS-18 (8.0')	66 S1-	60 S1-
880-45998-6	CS-19 (8.0')	65 S1-	59 S1-
880-45998-7	CS-20 (5.0')	65 S1-	65 S1-
880-45998-8	CS-21 (5.0')	65 S1-	59 S1-
880-45998-9	CS-22 (5.0')	64 S1-	57 S1-
880-45998-10	CS-23 (5.0')	60 S1-	54 S1-
880-45998-11	CS-24 (5.0')	65 S1-	59 S1-
880-45998-12	CS-25 (5.0')	62 S1-	57 S1-
880-45998-13	CS-26 (5.0')	65 S1-	58 S1-
880-45998-14	CS-27 (5.0')	71	64 S1-
880-45998-15	CS-28 (5.0')	67 S1-	59 S1-
880-45998-16	CS-29 (5.0')	68 S1-	62 S1-
880-45998-17	CS-30 (6.0')	69 S1-	62 S1-
880-45998-18	CS-31 (6.0')	63 S1-	57 S1-
880-45998-19	SW-20 (12')	61 S1-	54 S1-
880-45998-20	SW-21 (12')	64 S1-	56 S1-
880-45998-21	SW-22 (6.0')	65 S1-	75
880-45998-21 MS	SW-22 (6.0')	71	72
880-45998-21 MSD	SW-22 (6.0')	72	73
880-45998-22	SW-23 (12')	61 S1-	70
880-45998-23	SW-24 (6.0')	56 S1-	66 S1-
880-45998-24	SW-25 (6.0')	61 S1-	72
880-45998-25	SW-26 (1.0')	58 S1-	69 S1-

Surrogate Summary

Client: Carmona Resources
Job ID: 880-45998-1
Project/Site: Uracas 8 (05.01.2420)
SDG: Lea County

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)								
880-45998-26	SW-27 (5.0')	56 S1-	66 S1-								
880-45998-27	SW-28 (5.0')	58 S1-	67 S1-								
880-45998-28	SW-29 (4.0')	62 S1-	73								
880-45998-29	SW-30 (8.0')	54 S1-	61 S1-								
880-45998-30	SW-31 (8.0')	56 S1-	63 S1-								
880-45998-31	SW-32 (3.0')	57 S1-	66 S1-								
880-45998-32	SW-33 (5.0')	54 S1-	63 S1-								
880-45998-33	SW-34 (5.0')	53 S1-	60 S1-								
880-45998-34	SW-34 (5.0')	54 S1-	62 S1-								
880-45998-35	SW-36 (5.0')	60 S1-	69 S1-								
880-45998-36	SW-37 (5.0')	51 S1-	59 S1-								
880-45998-37	SW-38 (5.0')	53 S1-	63 S1-								
880-45998-38	SW-39 (6.0')	55 S1-	62 S1-								
880-45998-39	SW-40 (6.0')	57 S1-	64 S1-								
880-45998-40	SW-41 (6.0')	50 S1-	56 S1-								
880-45998-41	SW-42 (1.0')	60 S1-	54 S1-								
LCS 880-85595/2-A	Lab Control Sample	98	82								
LCS 880-85772/2-A	Lab Control Sample	94	82								
LCS 880-85774/2-A	Lab Control Sample	91	94								
LCSD 880-85595/3-A	Lab Control Sample Dup	93	79								
LCSD 880-85772/3-A	Lab Control Sample Dup	90	79								
LCSD 880-85774/3-A	Lab Control Sample Dup	90	95								
MB 880-85595/1-A	Method Blank	69 S1-	69 S1-								
MB 880-85772/1-A	Method Blank	68 S1-	67 S1-								
MB 880-85774/1-A	Method Blank	61 S1-	78								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-85663/5-A
Matrix: Solid
Analysis Batch: 85655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/15/24 09:52	07/15/24 11:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 09:52	07/15/24 11:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 09:52	07/15/24 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/15/24 09:52	07/15/24 11:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/15/24 09:52	07/15/24 11:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/15/24 09:52	07/15/24 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/15/24 09:52*	*07/15/24 11:30*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/15/24 09:52*	*07/15/24 11:30*	*1*

Lab Sample ID: MB 880-85687/5-A
Matrix: Solid
Analysis Batch: 85658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/15/24 11:33	07/15/24 12:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 11:33	07/15/24 12:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 11:33	07/15/24 12:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/15/24 11:33	07/15/24 12:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/15/24 11:33	07/15/24 12:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/15/24 11:33	07/15/24 12:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*07/15/24 11:33*	*07/15/24 12:51*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/15/24 11:33*	*07/15/24 12:51*	*1*

Lab Sample ID: MB 880-85763/5-A
Matrix: Solid
Analysis Batch: 85655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85763

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/15/24 22:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/15/24 22:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/15/24 22:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/15/24 16:33	07/15/24 22:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:33	07/15/24 22:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/15/24 16:33	07/15/24 22:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*07/15/24 16:33*	*07/15/24 22:26*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/15/24 16:33*	*07/15/24 22:26*	*1*

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

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

Lab Sample ID: LCS 880-85763/1-A
Matrix: Solid
Analysis Batch: 85655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85763

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1054		mg/Kg		105	70 - 130		
Toluene			0.100	0.09887		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.09511		mg/Kg		95	70 - 130		
m-Xylene & p-Xylene			0.200	0.2108		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1054		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 880-85763/2-A
Matrix: Solid
Analysis Batch: 85655

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85763

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1039		mg/Kg		104	70 - 130	1	35
Toluene			0.100	0.09711		mg/Kg		97	70 - 130	2	35
Ethylbenzene			0.100	0.09321		mg/Kg		93	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2057		mg/Kg		103	70 - 130	2	35
o-Xylene			0.100	0.1031		mg/Kg		103	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-45998-1 MS
Matrix: Solid
Analysis Batch: 85655

Client Sample ID: CS-14 (12')
Prep Type: Total/NA
Prep Batch: 85763

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.0996	0.1021		mg/Kg		103	70 - 130		
Toluene	<0.00201	U	0.0996	0.09907		mg/Kg		99	70 - 130		
Ethylbenzene	<0.00201	U	0.0996	0.09521		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.199	0.2096		mg/Kg		105	70 - 130		
o-Xylene	<0.00201	U	0.0996	0.1053		mg/Kg		106	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-45998-1 MSD
Matrix: Solid
Analysis Batch: 85655

Client Sample ID: CS-14 (12')
Prep Type: Total/NA
Prep Batch: 85763

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0994	0.09675		mg/Kg		97	70 - 130	5	35
Toluene	<0.00201	U	0.0994	0.09406		mg/Kg		95	70 - 130	5	35
Ethylbenzene	<0.00201	U	0.0994	0.08989		mg/Kg		90	70 - 130	6	35

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

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

Lab Sample ID: 880-45998-1 MSD
Matrix: Solid
Analysis Batch: 85655

Client Sample ID: CS-14 (12')
Prep Type: Total/NA
Prep Batch: 85763

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1967		mg/Kg		99	70 - 130	6	35
o-Xylene	<0.00201	U	0.0994	0.09887		mg/Kg		99	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-85764/5-A
Matrix: Solid
Analysis Batch: 85658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85764

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 01:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 01:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 01:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/15/24 16:34	07/16/24 01:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/15/24 16:34	07/16/24 01:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/15/24 16:34	07/16/24 01:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*07/15/24 16:34*	*07/16/24 01:15*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/15/24 16:34*	*07/16/24 01:15*	*1*

Lab Sample ID: LCS 880-85764/1-A
Matrix: Solid
Analysis Batch: 85658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85764

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09940		mg/Kg		99	70 - 130
Toluene	0.100	0.08678		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09281		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1707		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08999		mg/Kg		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-85764/2-A
Matrix: Solid
Analysis Batch: 85658

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85764

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1002		mg/Kg		100	70 - 130	1	35
Toluene	0.100	0.08699		mg/Kg		87	70 - 130	0	35
Ethylbenzene	0.100	0.09327		mg/Kg		93	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1720		mg/Kg		86	70 - 130	1	35
o-Xylene	0.100	0.08970		mg/Kg		90	70 - 130	0	35

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

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

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

Lab Sample ID: 880-45998-21 MS — **Client Sample ID: SW-22 (6.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 85658 — **Prep Batch: 85764**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0996	0.09333		mg/Kg		94	70 - 130
Toluene	<0.00201	U	0.0996	0.08344		mg/Kg		84	70 - 130
Ethylbenzene	<0.00201	U	0.0996	0.08738		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1609		mg/Kg		81	70 - 130
o-Xylene	<0.00201	U	0.0996	0.08310		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-45998-21 MSD — **Client Sample ID: SW-22 (6.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 85658 — **Prep Batch: 85764**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0994	0.1009		mg/Kg		102	70 - 130	8	35
Toluene	<0.00201	U	0.0994	0.08925		mg/Kg		90	70 - 130	7	35
Ethylbenzene	<0.00201	U	0.0994	0.09168		mg/Kg		92	70 - 130	5	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1736		mg/Kg		87	70 - 130	8	35
o-Xylene	<0.00201	U	0.0994	0.08934		mg/Kg		90	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: MB 880-85799/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 85798 — **Prep Batch: 85799**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:17	07/16/24 12:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:17	07/16/24 12:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:17	07/16/24 12:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/16/24 09:17	07/16/24 12:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/16/24 09:17	07/16/24 12:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/16/24 09:17	07/16/24 12:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/16/24 09:17	07/16/24 12:13	1
1,4-Difluorobenzene (Surr)	84		70 - 130	07/16/24 09:17	07/16/24 12:13	1

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

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

Lab Sample ID: LCS 880-85799/1-A
Matrix: Solid
Analysis Batch: 85798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85799

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09513		mg/Kg		95	70 - 130		
Toluene			0.100	0.09140		mg/Kg		91	70 - 130		
Ethylbenzene			0.100	0.09019		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene			0.200	0.1984		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.1003		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-85799/2-A
Matrix: Solid
Analysis Batch: 85798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85799

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09888		mg/Kg		99	70 - 130	4	35
Toluene			0.100	0.09470		mg/Kg		95	70 - 130	4	35
Ethylbenzene			0.100	0.09355		mg/Kg		94	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2061		mg/Kg		103	70 - 130	4	35
o-Xylene			0.100	0.1039		mg/Kg		104	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-45989-A-9-C MS
Matrix: Solid
Analysis Batch: 85798

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 85799

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.0996	0.08417		mg/Kg		85	70 - 130		
Toluene	<0.00201	U	0.0996	0.07923		mg/Kg		80	70 - 130		
Ethylbenzene	<0.00201	U	0.0996	0.07660		mg/Kg		77	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1693		mg/Kg		85	70 - 130		
o-Xylene	<0.00201	U	0.0996	0.08568		mg/Kg		86	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-45989-A-9-D MSD
Matrix: Solid
Analysis Batch: 85798

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 85799

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0994	0.09811		mg/Kg		99	70 - 130	15	35
Toluene	<0.00201	U	0.0994	0.09249		mg/Kg		93	70 - 130	15	35
Ethylbenzene	<0.00201	U	0.0994	0.08952		mg/Kg		90	70 - 130	16	35

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

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

Lab Sample ID: 880-45989-A-9-D MSD
Matrix: Solid
Analysis Batch: 85798

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 85799

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1970		mg/Kg		99	70 - 130	15	35
o-Xylene	<0.00201	U	0.0994	0.09824		mg/Kg		99	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

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

Lab Sample ID: MB 880-85595/1-A
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/12/24 14:02	07/16/24 04:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/12/24 14:02	07/16/24 04:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/12/24 14:02	07/16/24 04:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*07/12/24 14:02*	*07/16/24 04:10*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*07/12/24 14:02*	*07/16/24 04:10*	*1*

Lab Sample ID: LCS 880-85595/2-A
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85595

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1009		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	899.0		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Lab Sample ID: LCSD 880-85595/3-A
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85595

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	947.2		mg/Kg		95	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	848.2		mg/Kg		85	70 - 130	6	20

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

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

Lab Sample ID: LCSD 880-85595/3-A
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85595

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: 880-45900-A-11-C MS
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 85595

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	996	751.9		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	996	696.0		mg/Kg		70	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	73		70 - 130

Lab Sample ID: 880-45900-A-11-D MSD
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 85595

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	996	632.8	F1	mg/Kg		64	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	996	575.6	F1	mg/Kg		58	70 - 130	19	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	64	S1-	70 - 130

Lab Sample ID: MB 880-85772/1-A
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85772

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/15/24 09:59	07/15/24 10:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/15/24 09:59	07/15/24 10:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/15/24 09:59	07/15/24 10:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130	07/15/24 09:59	07/15/24 10:42	1
o-Terphenyl	67	S1-	70 - 130	07/15/24 09:59	07/15/24 10:42	1

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

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

Lab Sample ID: LCS 880-85772/2-A
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85772

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	936.5		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	867.9		mg/Kg		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Lab Sample ID: LCSD 880-85772/3-A
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85772

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	898.2		mg/Kg		90	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	840.6		mg/Kg		84	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*79*		*70 - 130*

Lab Sample ID: 880-45998-1 MS
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: CS-14 (12')
Prep Type: Total/NA
Prep Batch: 85772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.2	U F1	1010	654.1	F1	mg/Kg		65	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.2	U F1	1010	626.1	F1	mg/Kg		62	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*67*	*S1-*	*70 - 130*

Lab Sample ID: 880-45998-1 MSD
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: CS-14 (12')
Prep Type: Total/NA
Prep Batch: 85772

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	<50.2	U F1	1010	607.8	F1	mg/Kg		60	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.2	U F1	1010	540.9	F1	mg/Kg		54	70 - 130	15	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*78*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

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

Lab Sample ID: 880-45998-1 MSD
Matrix: Solid
Analysis Batch: 85780

Client Sample ID: CS-14 (12')
Prep Type: Total/NA
Prep Batch: 85772

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	64	S1-	70 - 130

Lab Sample ID: MB 880-85774/1-A
Matrix: Solid
Analysis Batch: 85778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/15/24 10:02	07/15/24 10:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/15/24 10:02	07/15/24 10:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/15/24 10:02	07/15/24 10:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130	07/15/24 10:02	07/15/24 10:27	1
o-Terphenyl	78		70 - 130	07/15/24 10:02	07/15/24 10:27	1

Lab Sample ID: LCS 880-85774/2-A
Matrix: Solid
Analysis Batch: 85778

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85774

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	898.8		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	942.2		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-85774/3-A
Matrix: Solid
Analysis Batch: 85778

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 85774

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	838.4		mg/Kg		84	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	907.3		mg/Kg		91	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	95		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

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

Lab Sample ID: 880-45998-21 MS
Matrix: Solid
Analysis Batch: 85778

Client Sample ID: SW-22 (6.0')
Prep Type: Total/NA
Prep Batch: 85774

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.4	U F1	1010	575.5	F1	mg/Kg		57	70 - 130
Diesel Range Organics (Over C10-C28)	55.6	F1	1010	648.6	F1	mg/Kg		59	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*71*		*70 - 130*
o-Terphenyl	*72*		*70 - 130*

Lab Sample ID: 880-45998-21 MSD
Matrix: Solid
Analysis Batch: 85778

Client Sample ID: SW-22 (6.0')
Prep Type: Total/NA
Prep Batch: 85774

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	<50.4	U F1	1010	574.1	F1	mg/Kg		57	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	55.6	F1	1010	637.0	F1	mg/Kg		58	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*72*		*70 - 130*
o-Terphenyl	*73*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-85768/1-A
Matrix: Solid
Analysis Batch: 85782

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			07/15/24 23:36	1

Lab Sample ID: LCS 880-85768/2-A
Matrix: Solid
Analysis Batch: 85782

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	254.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-85768/3-A
Matrix: Solid
Analysis Batch: 85782

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	255.7		mg/Kg		102	90 - 110	1	20

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-45998-1 MS
Matrix: Solid
Analysis Batch: 85782

Client Sample ID: CS-14 (12')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	35.8		249	300.8		mg/Kg		106	90 - 110

Lab Sample ID: 880-45998-1 MSD
Matrix: Solid
Analysis Batch: 85782

Client Sample ID: CS-14 (12')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	35.8		249	301.4		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-45998-11 MS
Matrix: Solid
Analysis Batch: 85782

Client Sample ID: CS-24 (5.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	232		251	501.9		mg/Kg		107	90 - 110

Lab Sample ID: 880-45998-11 MSD
Matrix: Solid
Analysis Batch: 85782

Client Sample ID: CS-24 (5.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	232		251	501.7		mg/Kg		107	90 - 110	0	20

Lab Sample ID: MB 880-85771/1-A
Matrix: Solid
Analysis Batch: 85794

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			07/16/24 02:40	1

Lab Sample ID: LCS 880-85771/2-A
Matrix: Solid
Analysis Batch: 85794

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.0		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-85771/3-A
Matrix: Solid
Analysis Batch: 85794

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	256.6		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-45998-21 MS
Matrix: Solid
Analysis Batch: 85794

Client Sample ID: SW-22 (6.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	31.9		248	301.2		mg/Kg		109	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-45998-21 MSD
Matrix: Solid
Analysis Batch: 85794

Client Sample ID: SW-22 (6.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	31.9		248	301.7		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-45998-31 MS
Matrix: Solid
Analysis Batch: 85794

Client Sample ID: SW-32 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	29.7		250	302.4		mg/Kg		109	90 - 110

Lab Sample ID: 880-45998-31 MSD
Matrix: Solid
Analysis Batch: 85794

Client Sample ID: SW-32 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	29.7		250	300.7		mg/Kg		109	90 - 110	1	20

Lab Sample ID: MB 880-85737/1-A
Matrix: Solid
Analysis Batch: 85795

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			07/16/24 08:59	1

Lab Sample ID: LCS 880-85737/2-A
Matrix: Solid
Analysis Batch: 85795

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.2		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-85737/3-A
Matrix: Solid
Analysis Batch: 85795

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	256.7		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-45998-41 MS
Matrix: Solid
Analysis Batch: 85795

Client Sample ID: SW-42 (1.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	44.6		249	304.9		mg/Kg		105	90 - 110

Lab Sample ID: 880-45998-41 MSD
Matrix: Solid
Analysis Batch: 85795

Client Sample ID: SW-42 (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	44.6		249	305.1		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

GC VOA

Analysis Batch: 85655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-1	CS-14 (12')	Total/NA	Solid	8021B	85763
880-45998-2	CS-15 (6.0')	Total/NA	Solid	8021B	85763
880-45998-3	CS-16 (5.0')	Total/NA	Solid	8021B	85763
880-45998-4	CS-17 (5.0')	Total/NA	Solid	8021B	85763
880-45998-5	CS-18 (8.0')	Total/NA	Solid	8021B	85763
880-45998-6	CS-19 (8.0')	Total/NA	Solid	8021B	85763
880-45998-7	CS-20 (5.0')	Total/NA	Solid	8021B	85763
880-45998-8	CS-21 (5.0')	Total/NA	Solid	8021B	85763
880-45998-9	CS-22 (5.0')	Total/NA	Solid	8021B	85763
880-45998-10	CS-23 (5.0')	Total/NA	Solid	8021B	85763
880-45998-11	CS-24 (5.0')	Total/NA	Solid	8021B	85763
880-45998-12	CS-25 (5.0')	Total/NA	Solid	8021B	85763
880-45998-13	CS-26 (5.0')	Total/NA	Solid	8021B	85763
880-45998-14	CS-27 (5.0')	Total/NA	Solid	8021B	85763
880-45998-15	CS-28 (5.0')	Total/NA	Solid	8021B	85763
880-45998-16	CS-29 (5.0')	Total/NA	Solid	8021B	85763
880-45998-17	CS-30 (6.0')	Total/NA	Solid	8021B	85763
880-45998-18	CS-31 (6.0')	Total/NA	Solid	8021B	85763
880-45998-19	SW-20 (12')	Total/NA	Solid	8021B	85763
880-45998-20	SW-21 (12')	Total/NA	Solid	8021B	85763
MB 880-85663/5-A	Method Blank	Total/NA	Solid	8021B	85663
MB 880-85763/5-A	Method Blank	Total/NA	Solid	8021B	85763
LCS 880-85763/1-A	Lab Control Sample	Total/NA	Solid	8021B	85763
LCSD 880-85763/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	85763
880-45998-1 MS	CS-14 (12')	Total/NA	Solid	8021B	85763
880-45998-1 MSD	CS-14 (12')	Total/NA	Solid	8021B	85763

Analysis Batch: 85658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-21	SW-22 (6.0')	Total/NA	Solid	8021B	85764
880-45998-22	SW-23 (12')	Total/NA	Solid	8021B	85764
880-45998-23	SW-24 (6.0')	Total/NA	Solid	8021B	85764
880-45998-24	SW-25 (6.0')	Total/NA	Solid	8021B	85764
880-45998-25	SW-26 (1.0')	Total/NA	Solid	8021B	85764
880-45998-26	SW-27 (5.0')	Total/NA	Solid	8021B	85764
880-45998-27	SW-28 (5.0')	Total/NA	Solid	8021B	85764
880-45998-28	SW-29 (4.0')	Total/NA	Solid	8021B	85764
880-45998-29	SW-30 (8.0')	Total/NA	Solid	8021B	85764
880-45998-30	SW-31 (8.0')	Total/NA	Solid	8021B	85764
880-45998-31	SW-32 (3.0')	Total/NA	Solid	8021B	85764
880-45998-32	SW-33 (5.0')	Total/NA	Solid	8021B	85764
880-45998-33	SW-34 (5.0')	Total/NA	Solid	8021B	85764
880-45998-34	SW-34 (5.0')	Total/NA	Solid	8021B	85764
880-45998-35	SW-36 (5.0')	Total/NA	Solid	8021B	85764
880-45998-36	SW-37 (5.0')	Total/NA	Solid	8021B	85764
880-45998-37	SW-38 (5.0')	Total/NA	Solid	8021B	85764
880-45998-38	SW-39 (6.0')	Total/NA	Solid	8021B	85764
880-45998-39	SW-40 (6.0')	Total/NA	Solid	8021B	85764
880-45998-40	SW-41 (6.0')	Total/NA	Solid	8021B	85764
MB 880-85687/5-A	Method Blank	Total/NA	Solid	8021B	85687
MB 880-85764/5-A	Method Blank	Total/NA	Solid	8021B	85764

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

GC VOA (Continued)

Analysis Batch: 85658 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-85764/1-A	Lab Control Sample	Total/NA	Solid	8021B	85764
LCSD 880-85764/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	85764
880-45998-21 MS	SW-22 (6.0')	Total/NA	Solid	8021B	85764
880-45998-21 MSD	SW-22 (6.0')	Total/NA	Solid	8021B	85764

Prep Batch: 85663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-85663/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 85687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-85687/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 85763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-1	CS-14 (12')	Total/NA	Solid	5035	
880-45998-2	CS-15 (6.0')	Total/NA	Solid	5035	
880-45998-3	CS-16 (5.0')	Total/NA	Solid	5035	
880-45998-4	CS-17 (5.0')	Total/NA	Solid	5035	
880-45998-5	CS-18 (8.0')	Total/NA	Solid	5035	
880-45998-6	CS-19 (8.0')	Total/NA	Solid	5035	
880-45998-7	CS-20 (5.0')	Total/NA	Solid	5035	
880-45998-8	CS-21 (5.0')	Total/NA	Solid	5035	
880-45998-9	CS-22 (5.0')	Total/NA	Solid	5035	
880-45998-10	CS-23 (5.0')	Total/NA	Solid	5035	
880-45998-11	CS-24 (5.0')	Total/NA	Solid	5035	
880-45998-12	CS-25 (5.0')	Total/NA	Solid	5035	
880-45998-13	CS-26 (5.0')	Total/NA	Solid	5035	
880-45998-14	CS-27 (5.0')	Total/NA	Solid	5035	
880-45998-15	CS-28 (5.0')	Total/NA	Solid	5035	
880-45998-16	CS-29 (5.0')	Total/NA	Solid	5035	
880-45998-17	CS-30 (6.0')	Total/NA	Solid	5035	
880-45998-18	CS-31 (6.0')	Total/NA	Solid	5035	
880-45998-19	SW-20 (12')	Total/NA	Solid	5035	
880-45998-20	SW-21 (12')	Total/NA	Solid	5035	
MB 880-85763/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-85763/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-85763/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45998-1 MS	CS-14 (12')	Total/NA	Solid	5035	
880-45998-1 MSD	CS-14 (12')	Total/NA	Solid	5035	

Prep Batch: 85764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-21	SW-22 (6.0')	Total/NA	Solid	5035	
880-45998-22	SW-23 (12')	Total/NA	Solid	5035	
880-45998-23	SW-24 (6.0')	Total/NA	Solid	5035	
880-45998-24	SW-25 (6.0')	Total/NA	Solid	5035	
880-45998-25	SW-26 (1.0')	Total/NA	Solid	5035	
880-45998-26	SW-27 (5.0')	Total/NA	Solid	5035	
880-45998-27	SW-28 (5.0')	Total/NA	Solid	5035	
880-45998-28	SW-29 (4.0')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

GC VOA (Continued)

Prep Batch: 85764 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-29	SW-30 (8.0')	Total/NA	Solid	5035	
880-45998-30	SW-31 (8.0')	Total/NA	Solid	5035	
880-45998-31	SW-32 (3.0')	Total/NA	Solid	5035	
880-45998-32	SW-33 (5.0')	Total/NA	Solid	5035	
880-45998-33	SW-34 (5.0')	Total/NA	Solid	5035	
880-45998-34	SW-34 (5.0')	Total/NA	Solid	5035	
880-45998-35	SW-36 (5.0')	Total/NA	Solid	5035	
880-45998-36	SW-37 (5.0')	Total/NA	Solid	5035	
880-45998-37	SW-38 (5.0')	Total/NA	Solid	5035	
880-45998-38	SW-39 (6.0')	Total/NA	Solid	5035	
880-45998-39	SW-40 (6.0')	Total/NA	Solid	5035	
880-45998-40	SW-41 (6.0')	Total/NA	Solid	5035	
MB 880-85764/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-85764/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-85764/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45998-21 MS	SW-22 (6.0')	Total/NA	Solid	5035	
880-45998-21 MSD	SW-22 (6.0')	Total/NA	Solid	5035	

Analysis Batch: 85798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-41	SW-42 (1.0')	Total/NA	Solid	8021B	85799
MB 880-85799/5-A	Method Blank	Total/NA	Solid	8021B	85799
LCS 880-85799/1-A	Lab Control Sample	Total/NA	Solid	8021B	85799
LCSD 880-85799/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	85799
880-45989-A-9-C MS	Matrix Spike	Total/NA	Solid	8021B	85799
880-45989-A-9-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	85799

Prep Batch: 85799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-41	SW-42 (1.0')	Total/NA	Solid	5035	
MB 880-85799/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-85799/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-85799/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45989-A-9-C MS	Matrix Spike	Total/NA	Solid	5035	
880-45989-A-9-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 85856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-1	CS-14 (12')	Total/NA	Solid	Total BTEX	
880-45998-2	CS-15 (6.0')	Total/NA	Solid	Total BTEX	
880-45998-3	CS-16 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-4	CS-17 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-5	CS-18 (8.0')	Total/NA	Solid	Total BTEX	
880-45998-6	CS-19 (8.0')	Total/NA	Solid	Total BTEX	
880-45998-7	CS-20 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-8	CS-21 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-9	CS-22 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-10	CS-23 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-11	CS-24 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-12	CS-25 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-13	CS-26 (5.0')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

GC VOA (Continued)

Analysis Batch: 85856 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-14	CS-27 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-15	CS-28 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-16	CS-29 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-17	CS-30 (6.0')	Total/NA	Solid	Total BTEX	
880-45998-18	CS-31 (6.0')	Total/NA	Solid	Total BTEX	
880-45998-19	SW-20 (12')	Total/NA	Solid	Total BTEX	
880-45998-20	SW-21 (12')	Total/NA	Solid	Total BTEX	
880-45998-21	SW-22 (6.0')	Total/NA	Solid	Total BTEX	
880-45998-22	SW-23 (12')	Total/NA	Solid	Total BTEX	
880-45998-23	SW-24 (6.0')	Total/NA	Solid	Total BTEX	
880-45998-24	SW-25 (6.0')	Total/NA	Solid	Total BTEX	
880-45998-25	SW-26 (1.0')	Total/NA	Solid	Total BTEX	
880-45998-26	SW-27 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-27	SW-28 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-28	SW-29 (4.0')	Total/NA	Solid	Total BTEX	
880-45998-29	SW-30 (8.0')	Total/NA	Solid	Total BTEX	
880-45998-30	SW-31 (8.0')	Total/NA	Solid	Total BTEX	
880-45998-31	SW-32 (3.0')	Total/NA	Solid	Total BTEX	
880-45998-32	SW-33 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-33	SW-34 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-34	SW-34 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-35	SW-36 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-36	SW-37 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-37	SW-38 (5.0')	Total/NA	Solid	Total BTEX	
880-45998-38	SW-39 (6.0')	Total/NA	Solid	Total BTEX	
880-45998-39	SW-40 (6.0')	Total/NA	Solid	Total BTEX	
880-45998-40	SW-41 (6.0')	Total/NA	Solid	Total BTEX	
880-45998-41	SW-42 (1.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 85595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-41	SW-42 (1.0')	Total/NA	Solid	8015NM Prep	
MB 880-85595/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-85595/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-85595/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45900-A-11-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-45900-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 85772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-1	CS-14 (12')	Total/NA	Solid	8015NM Prep	
880-45998-2	CS-15 (6.0')	Total/NA	Solid	8015NM Prep	
880-45998-3	CS-16 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-4	CS-17 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-5	CS-18 (8.0')	Total/NA	Solid	8015NM Prep	
880-45998-6	CS-19 (8.0')	Total/NA	Solid	8015NM Prep	
880-45998-7	CS-20 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-8	CS-21 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-9	CS-22 (5.0')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

GC Semi VOA (Continued)

Prep Batch: 85772 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-10	CS-23 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-11	CS-24 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-12	CS-25 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-13	CS-26 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-14	CS-27 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-15	CS-28 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-16	CS-29 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-17	CS-30 (6.0')	Total/NA	Solid	8015NM Prep	
880-45998-18	CS-31 (6.0')	Total/NA	Solid	8015NM Prep	
880-45998-19	SW-20 (12')	Total/NA	Solid	8015NM Prep	
880-45998-20	SW-21 (12')	Total/NA	Solid	8015NM Prep	
MB 880-85772/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-85772/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-85772/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45998-1 MS	CS-14 (12')	Total/NA	Solid	8015NM Prep	
880-45998-1 MSD	CS-14 (12')	Total/NA	Solid	8015NM Prep	

Prep Batch: 85774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-21	SW-22 (6.0')	Total/NA	Solid	8015NM Prep	
880-45998-22	SW-23 (12')	Total/NA	Solid	8015NM Prep	
880-45998-23	SW-24 (6.0')	Total/NA	Solid	8015NM Prep	
880-45998-24	SW-25 (6.0')	Total/NA	Solid	8015NM Prep	
880-45998-25	SW-26 (1.0')	Total/NA	Solid	8015NM Prep	
880-45998-26	SW-27 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-27	SW-28 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-28	SW-29 (4.0')	Total/NA	Solid	8015NM Prep	
880-45998-29	SW-30 (8.0')	Total/NA	Solid	8015NM Prep	
880-45998-30	SW-31 (8.0')	Total/NA	Solid	8015NM Prep	
880-45998-31	SW-32 (3.0')	Total/NA	Solid	8015NM Prep	
880-45998-32	SW-33 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-33	SW-34 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-34	SW-34 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-35	SW-36 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-36	SW-37 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-37	SW-38 (5.0')	Total/NA	Solid	8015NM Prep	
880-45998-38	SW-39 (6.0')	Total/NA	Solid	8015NM Prep	
880-45998-39	SW-40 (6.0')	Total/NA	Solid	8015NM Prep	
880-45998-40	SW-41 (6.0')	Total/NA	Solid	8015NM Prep	
MB 880-85774/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-85774/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-85774/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45998-21 MS	SW-22 (6.0')	Total/NA	Solid	8015NM Prep	
880-45998-21 MSD	SW-22 (6.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 85778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-21	SW-22 (6.0')	Total/NA	Solid	8015B NM	85774
880-45998-22	SW-23 (12')	Total/NA	Solid	8015B NM	85774
880-45998-23	SW-24 (6.0')	Total/NA	Solid	8015B NM	85774
880-45998-24	SW-25 (6.0')	Total/NA	Solid	8015B NM	85774

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 85778 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-25	SW-26 (1.0')	Total/NA	Solid	8015B NM	85774
880-45998-26	SW-27 (5.0')	Total/NA	Solid	8015B NM	85774
880-45998-27	SW-28 (5.0')	Total/NA	Solid	8015B NM	85774
880-45998-28	SW-29 (4.0')	Total/NA	Solid	8015B NM	85774
880-45998-29	SW-30 (8.0')	Total/NA	Solid	8015B NM	85774
880-45998-30	SW-31 (8.0')	Total/NA	Solid	8015B NM	85774
880-45998-31	SW-32 (3.0')	Total/NA	Solid	8015B NM	85774
880-45998-32	SW-33 (5.0')	Total/NA	Solid	8015B NM	85774
880-45998-33	SW-34 (5.0')	Total/NA	Solid	8015B NM	85774
880-45998-34	SW-34 (5.0')	Total/NA	Solid	8015B NM	85774
880-45998-35	SW-36 (5.0')	Total/NA	Solid	8015B NM	85774
880-45998-36	SW-37 (5.0')	Total/NA	Solid	8015B NM	85774
880-45998-37	SW-38 (5.0')	Total/NA	Solid	8015B NM	85774
880-45998-38	SW-39 (6.0')	Total/NA	Solid	8015B NM	85774
880-45998-39	SW-40 (6.0')	Total/NA	Solid	8015B NM	85774
880-45998-40	SW-41 (6.0')	Total/NA	Solid	8015B NM	85774
MB 880-85774/1-A	Method Blank	Total/NA	Solid	8015B NM	85774
LCS 880-85774/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	85774
LCSD 880-85774/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	85774
880-45998-21 MS	SW-22 (6.0')	Total/NA	Solid	8015B NM	85774
880-45998-21 MSD	SW-22 (6.0')	Total/NA	Solid	8015B NM	85774

Analysis Batch: 85780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-1	CS-14 (12')	Total/NA	Solid	8015B NM	85772
880-45998-2	CS-15 (6.0')	Total/NA	Solid	8015B NM	85772
880-45998-3	CS-16 (5.0')	Total/NA	Solid	8015B NM	85772
880-45998-4	CS-17 (5.0')	Total/NA	Solid	8015B NM	85772
880-45998-5	CS-18 (8.0')	Total/NA	Solid	8015B NM	85772
880-45998-6	CS-19 (8.0')	Total/NA	Solid	8015B NM	85772
880-45998-7	CS-20 (5.0')	Total/NA	Solid	8015B NM	85772
880-45998-8	CS-21 (5.0')	Total/NA	Solid	8015B NM	85772
880-45998-9	CS-22 (5.0')	Total/NA	Solid	8015B NM	85772
880-45998-10	CS-23 (5.0')	Total/NA	Solid	8015B NM	85772
880-45998-11	CS-24 (5.0')	Total/NA	Solid	8015B NM	85772
880-45998-12	CS-25 (5.0')	Total/NA	Solid	8015B NM	85772
880-45998-13	CS-26 (5.0')	Total/NA	Solid	8015B NM	85772
880-45998-14	CS-27 (5.0')	Total/NA	Solid	8015B NM	85772
880-45998-15	CS-28 (5.0')	Total/NA	Solid	8015B NM	85772
880-45998-16	CS-29 (5.0')	Total/NA	Solid	8015B NM	85772
880-45998-17	CS-30 (6.0')	Total/NA	Solid	8015B NM	85772
880-45998-18	CS-31 (6.0')	Total/NA	Solid	8015B NM	85772
880-45998-19	SW-20 (12')	Total/NA	Solid	8015B NM	85772
880-45998-20	SW-21 (12')	Total/NA	Solid	8015B NM	85772
880-45998-41	SW-42 (1.0')	Total/NA	Solid	8015B NM	85595
MB 880-85595/1-A	Method Blank	Total/NA	Solid	8015B NM	85595
MB 880-85772/1-A	Method Blank	Total/NA	Solid	8015B NM	85772
LCS 880-85595/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	85595
LCS 880-85772/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	85772
LCSD 880-85595/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	85595
LCSD 880-85772/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	85772

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 85780 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45900-A-11-C MS	Matrix Spike	Total/NA	Solid	8015B NM	85595
880-45900-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	85595
880-45998-1 MS	CS-14 (12')	Total/NA	Solid	8015B NM	85772
880-45998-1 MSD	CS-14 (12')	Total/NA	Solid	8015B NM	85772

Analysis Batch: 85829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-1	CS-14 (12')	Total/NA	Solid	8015 NM	
880-45998-2	CS-15 (6.0')	Total/NA	Solid	8015 NM	
880-45998-3	CS-16 (5.0')	Total/NA	Solid	8015 NM	
880-45998-4	CS-17 (5.0')	Total/NA	Solid	8015 NM	
880-45998-5	CS-18 (8.0')	Total/NA	Solid	8015 NM	
880-45998-6	CS-19 (8.0')	Total/NA	Solid	8015 NM	
880-45998-7	CS-20 (5.0')	Total/NA	Solid	8015 NM	
880-45998-8	CS-21 (5.0')	Total/NA	Solid	8015 NM	
880-45998-9	CS-22 (5.0')	Total/NA	Solid	8015 NM	
880-45998-10	CS-23 (5.0')	Total/NA	Solid	8015 NM	
880-45998-11	CS-24 (5.0')	Total/NA	Solid	8015 NM	
880-45998-12	CS-25 (5.0')	Total/NA	Solid	8015 NM	
880-45998-13	CS-26 (5.0')	Total/NA	Solid	8015 NM	
880-45998-14	CS-27 (5.0')	Total/NA	Solid	8015 NM	
880-45998-15	CS-28 (5.0')	Total/NA	Solid	8015 NM	
880-45998-16	CS-29 (5.0')	Total/NA	Solid	8015 NM	
880-45998-17	CS-30 (6.0')	Total/NA	Solid	8015 NM	
880-45998-18	CS-31 (6.0')	Total/NA	Solid	8015 NM	
880-45998-19	SW-20 (12')	Total/NA	Solid	8015 NM	
880-45998-20	SW-21 (12')	Total/NA	Solid	8015 NM	
880-45998-21	SW-22 (6.0')	Total/NA	Solid	8015 NM	
880-45998-22	SW-23 (12')	Total/NA	Solid	8015 NM	
880-45998-23	SW-24 (6.0')	Total/NA	Solid	8015 NM	
880-45998-24	SW-25 (6.0')	Total/NA	Solid	8015 NM	
880-45998-25	SW-26 (1.0')	Total/NA	Solid	8015 NM	
880-45998-26	SW-27 (5.0')	Total/NA	Solid	8015 NM	
880-45998-27	SW-28 (5.0')	Total/NA	Solid	8015 NM	
880-45998-28	SW-29 (4.0')	Total/NA	Solid	8015 NM	
880-45998-29	SW-30 (8.0')	Total/NA	Solid	8015 NM	
880-45998-30	SW-31 (8.0')	Total/NA	Solid	8015 NM	
880-45998-31	SW-32 (3.0')	Total/NA	Solid	8015 NM	
880-45998-32	SW-33 (5.0')	Total/NA	Solid	8015 NM	
880-45998-33	SW-34 (5.0')	Total/NA	Solid	8015 NM	
880-45998-34	SW-34 (5.0')	Total/NA	Solid	8015 NM	
880-45998-35	SW-36 (5.0')	Total/NA	Solid	8015 NM	
880-45998-36	SW-37 (5.0')	Total/NA	Solid	8015 NM	
880-45998-37	SW-38 (5.0')	Total/NA	Solid	8015 NM	
880-45998-38	SW-39 (6.0')	Total/NA	Solid	8015 NM	
880-45998-39	SW-40 (6.0')	Total/NA	Solid	8015 NM	
880-45998-40	SW-41 (6.0')	Total/NA	Solid	8015 NM	
880-45998-41	SW-42 (1.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

HPLC/IC

Leach Batch: 85737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-41	SW-42 (1.0')	Soluble	Solid	DI Leach	
MB 880-85737/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-85737/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-85737/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45998-41 MS	SW-42 (1.0')	Soluble	Solid	DI Leach	
880-45998-41 MSD	SW-42 (1.0')	Soluble	Solid	DI Leach	

Leach Batch: 85768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-1	CS-14 (12')	Soluble	Solid	DI Leach	
880-45998-2	CS-15 (6.0')	Soluble	Solid	DI Leach	
880-45998-3	CS-16 (5.0')	Soluble	Solid	DI Leach	
880-45998-4	CS-17 (5.0')	Soluble	Solid	DI Leach	
880-45998-5	CS-18 (8.0')	Soluble	Solid	DI Leach	
880-45998-6	CS-19 (8.0')	Soluble	Solid	DI Leach	
880-45998-7	CS-20 (5.0')	Soluble	Solid	DI Leach	
880-45998-8	CS-21 (5.0')	Soluble	Solid	DI Leach	
880-45998-9	CS-22 (5.0')	Soluble	Solid	DI Leach	
880-45998-10	CS-23 (5.0')	Soluble	Solid	DI Leach	
880-45998-11	CS-24 (5.0')	Soluble	Solid	DI Leach	
880-45998-12	CS-25 (5.0')	Soluble	Solid	DI Leach	
880-45998-13	CS-26 (5.0')	Soluble	Solid	DI Leach	
880-45998-14	CS-27 (5.0')	Soluble	Solid	DI Leach	
880-45998-15	CS-28 (5.0')	Soluble	Solid	DI Leach	
880-45998-16	CS-29 (5.0')	Soluble	Solid	DI Leach	
880-45998-17	CS-30 (6.0')	Soluble	Solid	DI Leach	
880-45998-18	CS-31 (6.0')	Soluble	Solid	DI Leach	
880-45998-19	SW-20 (12')	Soluble	Solid	DI Leach	
880-45998-20	SW-21 (12')	Soluble	Solid	DI Leach	
MB 880-85768/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-85768/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-85768/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45998-1 MS	CS-14 (12')	Soluble	Solid	DI Leach	
880-45998-1 MSD	CS-14 (12')	Soluble	Solid	DI Leach	
880-45998-11 MS	CS-24 (5.0')	Soluble	Solid	DI Leach	
880-45998-11 MSD	CS-24 (5.0')	Soluble	Solid	DI Leach	

Leach Batch: 85771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-21	SW-22 (6.0')	Soluble	Solid	DI Leach	
880-45998-22	SW-23 (12')	Soluble	Solid	DI Leach	
880-45998-23	SW-24 (6.0')	Soluble	Solid	DI Leach	
880-45998-24	SW-25 (6.0')	Soluble	Solid	DI Leach	
880-45998-25	SW-26 (1.0')	Soluble	Solid	DI Leach	
880-45998-26	SW-27 (5.0')	Soluble	Solid	DI Leach	
880-45998-27	SW-28 (5.0')	Soluble	Solid	DI Leach	
880-45998-28	SW-29 (4.0')	Soluble	Solid	DI Leach	
880-45998-29	SW-30 (8.0')	Soluble	Solid	DI Leach	
880-45998-30	SW-31 (8.0')	Soluble	Solid	DI Leach	
880-45998-31	SW-32 (3.0')	Soluble	Solid	DI Leach	
880-45998-32	SW-33 (5.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

HPLC/IC (Continued)

Leach Batch: 85771 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-33	SW-34 (5.0')	Soluble	Solid	DI Leach	
880-45998-34	SW-34 (5.0')	Soluble	Solid	DI Leach	
880-45998-35	SW-36 (5.0')	Soluble	Solid	DI Leach	
880-45998-36	SW-37 (5.0')	Soluble	Solid	DI Leach	
880-45998-37	SW-38 (5.0')	Soluble	Solid	DI Leach	
880-45998-38	SW-39 (6.0')	Soluble	Solid	DI Leach	
880-45998-39	SW-40 (6.0')	Soluble	Solid	DI Leach	
880-45998-40	SW-41 (6.0')	Soluble	Solid	DI Leach	
MB 880-85771/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-85771/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-85771/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45998-21 MS	SW-22 (6.0')	Soluble	Solid	DI Leach	
880-45998-21 MSD	SW-22 (6.0')	Soluble	Solid	DI Leach	
880-45998-31 MS	SW-32 (3.0')	Soluble	Solid	DI Leach	
880-45998-31 MSD	SW-32 (3.0')	Soluble	Solid	DI Leach	

Analysis Batch: 85782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-1	CS-14 (12')	Soluble	Solid	300.0	85768
880-45998-2	CS-15 (6.0')	Soluble	Solid	300.0	85768
880-45998-3	CS-16 (5.0')	Soluble	Solid	300.0	85768
880-45998-4	CS-17 (5.0')	Soluble	Solid	300.0	85768
880-45998-5	CS-18 (8.0')	Soluble	Solid	300.0	85768
880-45998-6	CS-19 (8.0')	Soluble	Solid	300.0	85768
880-45998-7	CS-20 (5.0')	Soluble	Solid	300.0	85768
880-45998-8	CS-21 (5.0')	Soluble	Solid	300.0	85768
880-45998-9	CS-22 (5.0')	Soluble	Solid	300.0	85768
880-45998-10	CS-23 (5.0')	Soluble	Solid	300.0	85768
880-45998-11	CS-24 (5.0')	Soluble	Solid	300.0	85768
880-45998-12	CS-25 (5.0')	Soluble	Solid	300.0	85768
880-45998-13	CS-26 (5.0')	Soluble	Solid	300.0	85768
880-45998-14	CS-27 (5.0')	Soluble	Solid	300.0	85768
880-45998-15	CS-28 (5.0')	Soluble	Solid	300.0	85768
880-45998-16	CS-29 (5.0')	Soluble	Solid	300.0	85768
880-45998-17	CS-30 (6.0')	Soluble	Solid	300.0	85768
880-45998-18	CS-31 (6.0')	Soluble	Solid	300.0	85768
880-45998-19	SW-20 (12')	Soluble	Solid	300.0	85768
880-45998-20	SW-21 (12')	Soluble	Solid	300.0	85768
MB 880-85768/1-A	Method Blank	Soluble	Solid	300.0	85768
LCS 880-85768/2-A	Lab Control Sample	Soluble	Solid	300.0	85768
LCSD 880-85768/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	85768
880-45998-1 MS	CS-14 (12')	Soluble	Solid	300.0	85768
880-45998-1 MSD	CS-14 (12')	Soluble	Solid	300.0	85768
880-45998-11 MS	CS-24 (5.0')	Soluble	Solid	300.0	85768
880-45998-11 MSD	CS-24 (5.0')	Soluble	Solid	300.0	85768

Analysis Batch: 85794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-21	SW-22 (6.0')	Soluble	Solid	300.0	85771
880-45998-22	SW-23 (12')	Soluble	Solid	300.0	85771
880-45998-23	SW-24 (6.0')	Soluble	Solid	300.0	85771

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

HPLC/IC (Continued)

Analysis Batch: 85794 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-24	SW-25 (6.0')	Soluble	Solid	300.0	85771
880-45998-25	SW-26 (1.0')	Soluble	Solid	300.0	85771
880-45998-26	SW-27 (5.0')	Soluble	Solid	300.0	85771
880-45998-27	SW-28 (5.0')	Soluble	Solid	300.0	85771
880-45998-28	SW-29 (4.0')	Soluble	Solid	300.0	85771
880-45998-29	SW-30 (8.0')	Soluble	Solid	300.0	85771
880-45998-30	SW-31 (8.0')	Soluble	Solid	300.0	85771
880-45998-31	SW-32 (3.0')	Soluble	Solid	300.0	85771
880-45998-32	SW-33 (5.0')	Soluble	Solid	300.0	85771
880-45998-33	SW-34 (5.0')	Soluble	Solid	300.0	85771
880-45998-34	SW-34 (5.0')	Soluble	Solid	300.0	85771
880-45998-35	SW-36 (5.0')	Soluble	Solid	300.0	85771
880-45998-36	SW-37 (5.0')	Soluble	Solid	300.0	85771
880-45998-37	SW-38 (5.0')	Soluble	Solid	300.0	85771
880-45998-38	SW-39 (6.0')	Soluble	Solid	300.0	85771
880-45998-39	SW-40 (6.0')	Soluble	Solid	300.0	85771
880-45998-40	SW-41 (6.0')	Soluble	Solid	300.0	85771
MB 880-85771/1-A	Method Blank	Soluble	Solid	300.0	85771
LCS 880-85771/2-A	Lab Control Sample	Soluble	Solid	300.0	85771
LCSD 880-85771/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	85771
880-45998-21 MS	SW-22 (6.0')	Soluble	Solid	300.0	85771
880-45998-21 MSD	SW-22 (6.0')	Soluble	Solid	300.0	85771
880-45998-31 MS	SW-32 (3.0')	Soluble	Solid	300.0	85771
880-45998-31 MSD	SW-32 (3.0')	Soluble	Solid	300.0	85771

Analysis Batch: 85795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45998-41	SW-42 (1.0')	Soluble	Solid	300.0	85737
MB 880-85737/1-A	Method Blank	Soluble	Solid	300.0	85737
LCS 880-85737/2-A	Lab Control Sample	Soluble	Solid	300.0	85737
LCSD 880-85737/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	85737
880-45998-41 MS	SW-42 (1.0')	Soluble	Solid	300.0	85737
880-45998-41 MSD	SW-42 (1.0')	Soluble	Solid	300.0	85737

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-14 (12')

Lab Sample ID: 880-45998-1
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/15/24 22:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/15/24 22:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 21:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/15/24 21:40	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/15/24 23:52	CH	EET MID

Client Sample ID: CS-15 (6.0')

Lab Sample ID: 880-45998-2
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/15/24 23:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/15/24 23:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 22:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/15/24 22:24	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 00:08	CH	EET MID

Client Sample ID: CS-16 (5.0')

Lab Sample ID: 880-45998-3
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/15/24 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/15/24 23:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 22:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/15/24 22:40	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 00:13	CH	EET MID

Client Sample ID: CS-17 (5.0')

Lab Sample ID: 880-45998-4
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/15/24 23:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/15/24 23:49	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-17 (5.0')

Lab Sample ID: 880-45998-4
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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			85829	07/15/24 22:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/15/24 22:55	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 00:18	CH	EET MID

Client Sample ID: CS-18 (8.0')

Lab Sample ID: 880-45998-5
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 00:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 00:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 23:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/15/24 23:09	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 00:23	CH	EET MID

Client Sample ID: CS-19 (8.0')

Lab Sample ID: 880-45998-6
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 00:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 00:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 23:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/15/24 23:25	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 00:39	CH	EET MID

Client Sample ID: CS-20 (5.0')

Lab Sample ID: 880-45998-7
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 00:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 23:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/15/24 23:39	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-20 (5.0')

Lab Sample ID: 880-45998-7

Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 00:44	CH	EET MID

Client Sample ID: CS-21 (5.0')

Lab Sample ID: 880-45998-8

Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 01:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 23:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/15/24 23:54	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 00:50	CH	EET MID

Client Sample ID: CS-22 (5.0')

Lab Sample ID: 880-45998-9

Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 01:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 00:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 00:10	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 00:55	CH	EET MID

Client Sample ID: CS-23 (5.0')

Lab Sample ID: 880-45998-10

Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 01:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 00:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 00:25	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 01:00	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-24 (5.0')

Lab Sample ID: 880-45998-11
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 03:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 03:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 00:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 00:55	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 01:05	CH	EET MID

Client Sample ID: CS-25 (5.0')

Lab Sample ID: 880-45998-12
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 03:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 03:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 01:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 01:10	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 01:21	CH	EET MID

Client Sample ID: CS-26 (5.0')

Lab Sample ID: 880-45998-13
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 04:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 04:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 01:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 01:25	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 01:26	CH	EET MID

Client Sample ID: CS-27 (5.0')

Lab Sample ID: 880-45998-14
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 04:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 04:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-27 (5.0')

Lab Sample ID: 880-45998-14
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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			85829	07/16/24 01:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 01:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 01:42	CH	EET MID

Client Sample ID: CS-28 (5.0')

Lab Sample ID: 880-45998-15
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 04:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 04:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 01:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 01:54	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 01:48	CH	EET MID

Client Sample ID: CS-29 (5.0')

Lab Sample ID: 880-45998-16
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 05:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 05:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 02:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 02:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 01:53	CH	EET MID

Client Sample ID: CS-30 (6.0')

Lab Sample ID: 880-45998-17
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 05:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 05:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 02:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 02:25	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: CS-30 (6.0')

Lab Sample ID: 880-45998-17
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 01:58	CH	EET MID

Client Sample ID: CS-31 (6.0')

Lab Sample ID: 880-45998-18
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 05:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 05:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 02:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 02:41	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 02:03	CH	EET MID

Client Sample ID: SW-20 (12')

Lab Sample ID: 880-45998-19
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 06:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 06:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 02:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 02:56	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 02:08	CH	EET MID

Client Sample ID: SW-21 (12')

Lab Sample ID: 880-45998-20
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85763	07/15/24 16:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85655	07/16/24 06:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 06:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 03:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	85772	07/15/24 16:59	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 03:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85768	07/15/24 16:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85782	07/16/24 02:14	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-22 (6.0')

Lab Sample ID: 880-45998-21
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 01:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 01:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 21:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/15/24 21:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 02:55	CH	EET MID

Client Sample ID: SW-23 (12')

Lab Sample ID: 880-45998-22
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 01:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 01:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 22:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/15/24 22:24	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 03:11	CH	EET MID

Client Sample ID: SW-24 (6.0')

Lab Sample ID: 880-45998-23
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 02:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 02:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 22:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/15/24 22:40	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 03:16	CH	EET MID

Client Sample ID: SW-25 (6.0')

Lab Sample ID: 880-45998-24
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 02:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 02:38	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-25 (6.0')

Lab Sample ID: 880-45998-24
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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			85829	07/15/24 22:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/15/24 22:55	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 03:22	CH	EET MID

Client Sample ID: SW-26 (1.0')

Lab Sample ID: 880-45998-25
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 02:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 02:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 23:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/15/24 23:09	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 03:27	CH	EET MID

Client Sample ID: SW-27 (5.0')

Lab Sample ID: 880-45998-26
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 03:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 03:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 23:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/15/24 23:25	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 03:42	CH	EET MID

Client Sample ID: SW-28 (5.0')

Lab Sample ID: 880-45998-27
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 03:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 03:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 23:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/15/24 23:39	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-28 (5.0')

Lab Sample ID: 880-45998-27

Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 03:48	CH	EET MID

Client Sample ID: SW-29 (4.0')

Lab Sample ID: 880-45998-28

Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 03:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 03:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/15/24 23:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/15/24 23:54	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 03:53	CH	EET MID

Client Sample ID: SW-30 (8.0')

Lab Sample ID: 880-45998-29

Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 04:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 04:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 00:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/16/24 00:10	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 03:58	CH	EET MID

Client Sample ID: SW-31 (8.0')

Lab Sample ID: 880-45998-30

Date Collected: 07/15/24 00:00
Matrix: Solid
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 04:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 04:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 00:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/16/24 00:25	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 04:03	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-32 (3.0')

Lab Sample ID: 880-45998-31
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 06:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 06:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 00:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/16/24 00:55	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 04:09	CH	EET MID

Client Sample ID: SW-33 (5.0')

Lab Sample ID: 880-45998-32
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 06:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 06:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 01:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/16/24 01:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 04:24	CH	EET MID

Client Sample ID: SW-34 (5.0')

Lab Sample ID: 880-45998-33
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 06:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 06:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 01:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/16/24 01:25	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 04:29	CH	EET MID

Client Sample ID: SW-34 (5.0')

Lab Sample ID: 880-45998-34
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 07:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 07:04	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-34 (5.0')

Lab Sample ID: 880-45998-34
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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			85829	07/16/24 01:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/16/24 01:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 04:45	CH	EET MID

Client Sample ID: SW-36 (5.0')

Lab Sample ID: 880-45998-35
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 07:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 07:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 01:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/16/24 01:54	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 04:50	CH	EET MID

Client Sample ID: SW-37 (5.0')

Lab Sample ID: 880-45998-36
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 07:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 07:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 02:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/16/24 02:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 04:56	CH	EET MID

Client Sample ID: SW-38 (5.0')

Lab Sample ID: 880-45998-37
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 08:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 08:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 02:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/16/24 02:25	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-38 (5.0')

Lab Sample ID: 880-45998-37
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 05:01	CH	EET MID

Client Sample ID: SW-39 (6.0')

Lab Sample ID: 880-45998-38
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 08:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 08:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 02:41	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/16/24 02:41	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 05:06	CH	EET MID

Client Sample ID: SW-40 (6.0')

Lab Sample ID: 880-45998-39
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 08:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 08:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 02:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/16/24 02:56	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 05:11	CH	EET MID

Client Sample ID: SW-41 (6.0')

Lab Sample ID: 880-45998-40
Matrix: Solid
Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

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	85764	07/15/24 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85658	07/16/24 09:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 09:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 03:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	85774	07/15/24 17:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85778	07/16/24 03:10	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	85771	07/15/24 16:53	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85794	07/16/24 05:17	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Client Sample ID: SW-42 (1.0')

Date Collected: 07/15/24 00:00
Date Received: 07/15/24 15:43

Lab Sample ID: 880-45998-41

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			4.99 g	5 mL	85799	07/16/24 09:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	85798	07/16/24 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			85856	07/16/24 12:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			85829	07/16/24 05:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	85595	07/12/24 14:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	85780	07/16/24 05:40	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	85737	07/15/24 16:14	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	85795	07/16/24 10:44	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

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: Uracas 8 (05.01.2420)

Job ID: 880-45998-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-45998-1	CS-14 (12')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-2	CS-15 (6.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-3	CS-16 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-4	CS-17 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-5	CS-18 (8.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-6	CS-19 (8.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-7	CS-20 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-8	CS-21 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-9	CS-22 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-10	CS-23 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-11	CS-24 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-12	CS-25 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-13	CS-26 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-14	CS-27 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-15	CS-28 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-16	CS-29 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-17	CS-30 (6.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-18	CS-31 (6.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-19	SW-20 (12')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-20	SW-21 (12')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-21	SW-22 (6.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-22	SW-23 (12')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-23	SW-24 (6.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-24	SW-25 (6.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-25	SW-26 (1.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-26	SW-27 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-27	SW-28 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-28	SW-29 (4.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-29	SW-30 (8.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-30	SW-31 (8.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-31	SW-32 (3.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-32	SW-33 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-33	SW-34 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-34	SW-34 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-35	SW-36 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-36	SW-37 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-37	SW-38 (5.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-38	SW-39 (6.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-39	SW-40 (6.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-40	SW-41 (6.0')	Solid	07/15/24 00:00	07/15/24 15:43
880-45998-41	SW-42 (1.0')	Solid	07/15/24 00:00	07/15/24 15:43

Page 480 of 702

Chain of Custody

Wo

880-45998 Chain of Custody

7/16/2024

Page 1 of 5

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No		Thermometer ID:	IR8	
Cooler Custody Seals:	Yes No (N/A)		Correction Factor:	-1	
Sample Custody Seals:	Yes No (N/A)		Temperature Reading:	-1.0	
Total Containers:			Corrected Temperature:	-1.0	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-14 (12')	7/15/2024		X		C	1		X	X	X		
CS-15 (6.0')	7/15/2024		X		C	1		X	X	X		
CS-16 (5.0')	7/15/2024		X		C	1		X	X	X		
CS-17 (5.0')	7/15/2024		X		C	1		X	X	X		
CS-18 (8.0')	7/15/2024		X		C	1		X	X	X		
CS-19 (8.0')	7/15/2024		X		C	1		X	X	X		
CS-20 (5.0')	7/15/2024		X		C	1		X	X	X		
CS-21 (5.0')	7/15/2024		X		C	1		X	X	X		
CS-22 (5.0')	7/15/2024		X		C	1		X	X	X		
CS-23 (5.0')	7/15/2024		X		C	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 [redacted]	[redacted]		2		
3 Fabian Vargas	[redacted]	7/15/24 1543	4		
5			6		

Revised Date 06012020 Rev. 2020.1

Page 79 of 84

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Page 481 of 702

Chain of Custody

Work Order No: 45918

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	☐ Routine ☑ Rush
Project Number:	2362	Due Date:	24 hrs
Project Location	Lea County, NM		
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	T128
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.0
Total Containers:		Corrected Temperature:	-1.1

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-24 (5.0')	7/15/2024		X		C	1		X	X	X		
CS-25 (5.0')	7/15/2024		X		C	1		X	X	X		
CS-26 (5.0')	7/15/2024		X		C	1		X	X	X		
CS-27 (5.0')	7/15/2024		X		C	1		X	X	X		
CS-28 (5.0')	7/15/2024		X		C	1		X	X	X		
CS-29 (5.0')	7/15/2024		X		C	1		X	X	X		
CS-30 (6.0')	7/15/2024		X		C	1		X	X	X		
CS-31 (6.0')	7/15/2024		X		C	1		X	X	X		
SW-20 (12')	7/15/2024		X		C	1		X	X	X		
SW-21 (12')	7/15/2024		X		C	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Fabian Vargas	[redacted]	7/15/24 1543	2		
3			4		
5			6		

Revised Date 06012020 Rev. 2020.1

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Page 482 of 702

Chain of Custody

Work Order No: 998

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR7
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.0
Total Containers:		Corrected Temperature:	-1.1

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
SW-22 (6.0')	7/15/2024		X		C	1	X	X	X	
SW-23 (12')	7/15/2024		X		C	1	X	X	X	
SW-24 (6.0')	7/15/2024		X		C	1	X	X	X	
SW-25 (6.0')	7/15/2024		X		C	1	X	X	X	
SW-26 (1.0')	7/15/2024		X		C	1	X	X	X	
SW-27 (5.0')	7/15/2024		X		C	1	X	X	X	
SW-28 (5.0')	7/15/2024		X		C	1	X	X	X	
SW-29 (4.0')	7/15/2024		X		C	1	X	X	X	
SW-30 (8.0')	7/15/2024		X		C	1	X	X	X	
SW-31 (8.0')	7/15/2024		X		C	1	X	X	X	

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Fabian Vargas	[redacted]	7/15/24 1543	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Page 483 of 702

Chain of Custody

Work Order No: 998

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine	☑ Rush
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR7
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.0
Total Containers:		Corrected Temperature:	-1.1

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
SW-32 (3.0')	7/15/2024		X		C	1		X	X	X		
SW-33 (5.0')	7/15/2024		X		C	1		X	X	X		
SW-34 (5.0')	7/15/2024		X		C	1		X	X	X		
SW-35 (5.0')	7/15/2024		X		C	1		X	X	X		
SW-36 (5.0')	7/15/2024		X		C	1		X	X	X		
SW-37 (5.0')	7/15/2024		X		C	1		X	X	X		
SW-38 (5.0')	7/15/2024		X		C	1		X	X	X		
SW-39 (6.0')	7/15/2024		X		C	1		X	X	X		
SW-40 (6.0')	7/15/2024		X		C	1		X	X	X		
SW-41 (6.0')	7/15/2024		X		C	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Fabian Vargas	Fabian Vargas Sara	7/15/24 1543	2		
3			4		
5			6		

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Page 484 of 702

Chain of Custody

Work Order No: 459958

7/16/2024

Page 5 of 5

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine	☑ Rush
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR4
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.1
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-1.0
Total Containers:		Corrected Temperature:	-1.1

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2SO_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
SW-42 (1.0')	7/15/2024		X		C	1	X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Fabian Vargas	[redacted]	7/15/24 1943	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-45998-1
SDG Number: Lea County

Login Number: 45998
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 17, 2024

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: URACAS 8 (05.01.2024)

Enclosed are the results of analyses for samples received by the laboratory on 07/16/24 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 32 (2.0') (H244243-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/16/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *79.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 33 (2.0') (H244243-02)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/16/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	**26.1**	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *93.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *100 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 34 (2.0') (H244243-03)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/16/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	**11.6**	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *94.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 35 (2.0') (H244243-04)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/16/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	**104**	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	**31.5**	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *78.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 36 (2.0') (H244243-05)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/16/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 37 (2.0') (H244243-06)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/16/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	**16.8**	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *87.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 38 (2.0') (H244243-07)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/16/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	**158**	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	**27.1**	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *83.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 39 (2.0') (H244243-08)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/16/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	**41.2**	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *85.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 40 (2.0') (H244243-09)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/16/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	**11.7**	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *82.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 41 (2.0') (H244243-10)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/16/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *76.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 42 (2.0') (H244243-11)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/16/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	**12.1**	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *76.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 43 (2.0') (H244243-12)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/17/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *83.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 44 (8.0') (H244243-13)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/17/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *92.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 45 (5.0') (H244243-14)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/17/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *90.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 46 (5.0') (H244243-15)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/17/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *96.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 47 (5.0') (H244243-16)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/17/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 48 (5.0') (H244243-17)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/17/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *91.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 49 (5.0') (H244243-18)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/17/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *92.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 50 (5.0') (H244243-19)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/17/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 51 (5.0') (H244243-20)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.97	98.3	2.00	0.317	
Toluene*	<0.050	0.050	07/17/2024	ND	1.94	97.0	2.00	0.225	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.03	101	2.00	0.115	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.97	99.5	6.00	0.348	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	190	95.2	200	5.05	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	185	92.3	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *64.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *69.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 52 (5.0') (H244243-21)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/16/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.52	126	2.00	0.00119	QR-03
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.87	131	6.00	0.280	QR-03
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *123 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *98.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 53 (5.0') (H244243-22)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/16/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	**10.2**	10.0	07/16/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *85.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 54 (5.0') (H244243-23)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/16/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *68.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *65.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 55 (6.0') (H244243-24)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/16/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	**17.3**	10.0	07/16/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *78.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *76.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 56 (6.0') (H244243-25)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/16/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *83.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 57 (10.0') (H244243-26)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/16/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	**30.6**	10.0	07/16/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *68.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *66.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 43 (3.0') (H244243-27)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/16/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *65.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *62.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 44 (2.0') (H244243-28)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/16/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *67.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *65.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 45 (2.0') (H244243-29)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/17/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	**66.8**	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *76.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 46 (2.0') (H244243-30)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/17/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	448	112	400	3.51	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *78.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 47 (2.0') (H244243-31)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/17/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	**12.2**	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *81.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 48 (2.0') (H244243-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/17/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *95.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 49 (2.0') (H244243-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/17/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *92.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 50 (3.0') (H244243-34)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/17/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *123 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *56.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *55.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 51 (3.0') (H244243-35)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/17/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *93.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 52 (8.0') (H244243-36)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/17/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *124 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	**44.3**	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *74.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 53 (8.0') (H244243-37)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/17/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *83.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 54 (3.0') (H244243-38)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/17/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	**10.5**	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *86.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 55 (5.0') (H244243-39)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/17/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *77.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 56 (5.0') (H244243-40)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.27	114	2.00	1.88	
Toluene*	<0.050	0.050	07/17/2024	ND	2.40	120	2.00	0.371	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.52	126	2.00	0.00119	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	7.87	131	6.00	0.280	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *122 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.5	200	5.22	
DRO >C10-C28*	**52.2**	10.0	07/17/2024	ND	176	88.0	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *67.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *63.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 57 (5.0') (H244243-41)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	07/16/2024	ND	1.92	96.2	2.00	3.73	QR-03
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.00	100	2.00	3.05	QR-03
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.98	99.7	6.00	1.50	QR-03
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *64.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *64.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 58 (5.0') (H244243-42)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2024	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	07/16/2024	ND	1.92	96.2	2.00	3.73	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.00	100	2.00	3.05	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	5.98	99.7	6.00	1.50	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *78.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 59 (5.0') (H244243-43)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	96.2	2.00	3.73	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	3.05	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.98	99.7	6.00	1.50	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *58.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *57.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 60 (5.0') (H244243-44)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	96.2	2.00	3.73	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	3.05	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.98	99.7	6.00	1.50	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *90.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 61 (5.0') (H244243-45)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	96.2	2.00	3.73	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	3.05	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.98	99.7	6.00	1.50	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *77.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *76.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 62 (5.0') (H244243-46)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	96.2	2.00	3.73	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	3.05	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.98	99.7	6.00	1.50	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *74.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 63 (5.0') (H244243-47)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	96.2	2.00	3.73	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	3.05	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.98	99.7	6.00	1.50	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *69.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *68.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 64 (5.0') (H244243-48)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	96.2	2.00	3.73	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	3.05	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.98	99.7	6.00	1.50	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *76.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 65 (1.0') (H244243-49)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	96.2	2.00	3.73	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	3.05	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.98	99.7	6.00	1.50	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *85.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 66 (6.0') (H244243-50)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	96.2	2.00	3.73	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	3.05	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.98	99.7	6.00	1.50	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane *74.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 67 (6.0') (H244243-51)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	96.2	2.00	3.73	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	3.05	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.98	99.7	6.00	1.50	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *72.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 68 (4.0') (H244243-52)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	96.2	2.00	3.73	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	3.05	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.98	99.7	6.00	1.50	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *78.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
ASHTON THIELKE
310 W WALL ST, SUITE 500
MIDLAND TX, 79701
Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	URACAS 8 (05.01.2024)	Sampling Condition:	Cool & Intact
Project Number:	2362	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 69 (10.0') (H244243-53)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	96.2	2.00	3.73	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	3.05	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.98	99.7	6.00	1.50	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/17/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *64.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *63.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Page 541 of 702

Page 56 of 61

Chain of Custody

Work Order No: H244243

Page 1 of 6

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	—
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.6°c
Total Containers:		Corrected Temperature:	—

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
1	CS-32 (2.0')	7/15/2024		X		C	1		X	X	X		
2	CS-33 (2.0')	7/15/2024		X		C	1		X	X	X		
3	CS-34 (2.0')	7/15/2024		X		C	1		X	X	X		
4	CS-35 (2.0')	7/15/2024		X		C	1		X	X	X		
5	CS-36 (2.0')	7/15/2024		X		C	1		X	X	X		
6	CS-37 (2.0')	7/15/2024		X		C	1		X	X	X		
7	CS-38 (2.0')	7/15/2024		X		C	1		X	X	X		
8	CS-39 (2.0')	7/15/2024		X		C	1		X	X	X		
9	CS-40 (2.0')	7/15/2024		X		C	1		X	X	X		
10	CS-41 (2.0')	7/15/2024		X		C	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Tamara Oldaker	7-16-24 1520	2		
3			4		
5					

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Page 542 of 702

Page 57 of 61

Chain of Custody

Work Order No: H244243

Page 2 of 6

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	☐ Routine ☑ Rush
Project Number:	2362	Due Date:	24 hrs
Project Location	Lea County, NM		
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	—
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.6c
Total Containers:		Corrected Temperature:	—

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
11	CS-42 (2.0')	7/15/2024		X		C	1	X	X	X		
12	CS-43 (2.0')	7/15/2024		X		C	1	X	X	X		
13	CS-44 (8.0')	7/15/2024		X		C	1	X	X	X		
14	CS-45 (5.0')	7/16/2024		X		C	1	X	X	X		
15	CS-46 (5.0')	7/16/2024		X		C	1	X	X	X		
16	CS-47 (5.0')	7/16/2024		X		C	1	X	X	X		
	CS-48 (5.0')	7/16/2024		X		C	1	X	X	X		
	CS-49 (5.0')	7/16/2024		X		C	1	X	X	X		
	CS-50 (5.0')	7/16/2024		X		C	1	X	X	X		
	CS-51 (5.0')	7/16/2024		X		C	1	X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Samara Alldaker	7-16-24 1520	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Page 543 of 702

Page 58 of 61

Chain of Custody

Work Order No: H244243

Page 3 of 6

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	☐ Routine ☑ Rush
Project Number:	2362	Due Date:	24 hrs
Project Location	Lea County, NM		
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.6c
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
CS-52 (5.0')	7/16/2024		X		C	1		X	X	X		
CS-53 (5.0')	7/16/2024		X		C	1		X	X	X		
CS-54 (5.0')	7/16/2024		X		C	1		X	X	X		
CS-55 (6.0')	7/16/2024		X		C	1		X	X	X		
CS-56 (6.0')	7/16/2024		X		C	1		X	X	X		
CS-57 (10.0')	7/16/2024		X		C	1		X	X	X		
SW-43 (3.0')	7/15/2024		X		C	1		X	X	X		
SW-44 (2.0')	7/15/2024		X		C	1		X	X	X		
SW-45 (2.0')	7/15/2024		X		C	1		X	X	X		
SW-46 (2.0')	7/15/2024		X		C	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Tamara Oldaker	7-16-24 1520	2		
3			4		
5			6		

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Page 544 of 702

Page 59 of 61

Chain of Custody

Work Order No: H344243

Page 4 of 6

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	—
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.6c
Total Containers:		Corrected Temperature:	—

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
SW-47 (2.0')	7/15/2024		X		C	1		X	X	X		
SW-48 (2.0')	7/15/2024		X		C	1		X	X	X		
SW-49 (2.0')	7/15/2024		X		C	1		X	X	X		
SW-50 (3.0')	7/15/2024		X		C	1		X	X	X		
SW-51 (3.0')	7/15/2024		X		C	1		X	X	X		
SW-52 (8.0')	7/15/2024		X		C	1		X	X	X		
SW-53 (8.0')	7/15/2024		X		C	1		X	X	X		
SW-54 (3.0')	7/15/2024		X		C	1		X	X	X		
SW-55 (5.0')	7/16/2024		X		C	1		X	X	X		
SW-56 (5.0')	7/16/2024		X		C	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Tamara Lildahl	7-16-24 1520	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Page 545 of 702

Page 60 of 61

Chain of Custody

Work Order No: H244243

Page 5 of 6

Project Manager:	Ashton Thjelke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.6c
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
SW-57 (5.0')	7/16/2024		X		C	1		X	X	X		
SW-58 (5.0')	7/16/2024		X		C	1		X	X	X		
SW-59 (5.0')	7/16/2024		X		C	1		X	X	X		
SW-60 (5.0')	7/16/2024		X		C	1		X	X	X		
SW-61 (5.0')	7/16/2024		X		C	1		X	X	X		
SW-62 (5.0')	7/16/2024		X		C	1		X	X	X		
SW-63 (5.0')	7/16/2024		X		C	1		X	X	X		
SW-64 (5.0')	7/16/2024		X		C	1		X	X	X		
SW-65 (1.0')	7/16/2024		X		C	1		X	X	X		
SW-66 (6.0')	7/16/2024		X		C	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Tamara Oldaker	7-16-24 1520	2			
3				4			
5				6			

Received by OCD: 9/23/2024 12:57:42 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Page 546 of 702

Page 61 of 61

Chain of Custody

Work Order No: H244243

Page 6 of 6

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	—
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.6c
Total Containers:		Corrected Temperature:	

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD
SW-67 (6.0')	7/16/2024		X		C	1		X	X	X	
SW-68 (4.0')	7/16/2024		X		C	1		X	X	X	
SW-69 (10.0')	7/16/2024		X		C	1		X	X	X	

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Tamara Maldonado	7-16-24 1520	2		
3			4		
5					

Revised Date 05012020 Rev. 2020.1

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/24/2024 9:28:54 AM

JOB DESCRIPTION

Uracas 8 (05.01.2024)
Lea County, NM

JOB NUMBER

880-46260-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 10/22/2024 11:31:47 AM

my EOL

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
7/24/2024 9:28:54 AM

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Client Sample Results 8
Surrogate Summary 20
QC Sample Results 22
QC Association Summary 31
Lab Chronicle 36
Certification Summary 41
Method Summary 42
Sample Summary 43
Chain of Custody 44
Receipt Checklists 46

Released to Imaging: 10/22/2024 11:31:47 AM

Definitions/Glossary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, 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.
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)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Definitions/Glossary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-46260-1

Job ID: 880-46260-1 Eurofins Midland

Job Narrative
880-46260-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 7/22/2024 1:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.9°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-58 (15') (880-46260-1), CS-59 (15') (880-46260-2), CS-60 (15') (880-46260-3), CS-61 (15') (880-46260-4), CS-62 (15') (880-46260-5), SW-70 (5.0') (880-46260-6), SW-71 (15') (880-46260-7), SW-72 (15') (880-46260-8), SW-73 (15') (880-46260-9), SW-74 (15') (880-46260-10), SW-75 (15') (880-46260-11), SW-76 (15') (880-46260-12), SW-77 (15') (880-46260-13), SW-78 (15') (880-46260-14), SW-79 (15') (880-46260-15) and SW-80 (15') (880-46260-16).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-86287 and analytical batch 880-86222 was outside the control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-86154 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-75 (15') (880-46260-11), SW-76 (15') (880-46260-12), SW-77 (15') (880-46260-13), SW-78 (15') (880-46260-14), SW-79 (15') (880-46260-15), SW-80 (15') (880-46260-16), (LCS 880-86289/1-A) and (LCSD 880-86289/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-86289 and analytical batch 880-86154 recovered outside control limits for the following analytes: Benzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The matrix spike (MS) and/or matrix spike duplicate (MSD) recovery for preparation batch 880-86289 and analytical batch 880-86154 was outside control limits for the following analyte(s): Benzene.

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-86231 and analytical batch 880-86270 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 continuing calibration verification (CCV) associated with batch 880-86270 recovered below the lower control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-86270/21).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-86193/3-A). Evidence

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-46260-1

Job ID: 880-46260-1 (Continued) Eurofins Midland

of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-58 (15') (880-46260-1), (CCV 880-86226/28) and (CCV 880-86226/6). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-86193 and analytical batch 880-86226 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 continuing calibration verification (CCV) associated with batch 880-86226 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-86193 and 880-86323 and analytical batch 880-86226 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The method blank for preparation batch 880-86323 and analytical batch 880-86226 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction and 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.

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-86285 and analytical batch 880-86293 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.

The associated sample is: CS-58 (15') (880-46260-1).

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-86285 and analytical batch 880-86293 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.

The associated samples are: CS-60 (15') (880-46260-3), CS-61 (15') (880-46260-4), CS-62 (15') (880-46260-5), SW-70 (5.0') (880-46260-6), SW-71 (15') (880-46260-7), SW-72 (15') (880-46260-8), SW-73 (15') (880-46260-9), SW-74 (15') (880-46260-10), SW-75 (15') (880-46260-11), (880-46260-A-2-B MS) and (880-46260-A-2-C MSD).

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

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: CS-58 (15')

Lab Sample ID: 880-46260-1
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/22/24 14:29	07/22/24 16:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/22/24 14:29	07/22/24 16:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/22/24 14:29	07/22/24 16:17	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/22/24 14:29	07/22/24 16:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/22/24 14:29	07/22/24 16:17	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/22/24 14:29	07/22/24 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*07/22/24 14:29*	*07/22/24 16:17*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*07/22/24 14:29*	*07/22/24 16:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/22/24 16:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/22/24 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/19/24 16:21	07/22/24 17:54	1
Diesel Range Organics (Over C10-C28)	<50.4	U *1	50.4		mg/Kg		07/19/24 16:21	07/22/24 17:54	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/19/24 16:21	07/22/24 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*07/19/24 16:21*	*07/22/24 17:54*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*07/19/24 16:21*	*07/22/24 17:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**196**		5.03		mg/Kg			07/23/24 13:34	1

Client Sample ID: CS-59 (15')

Lab Sample ID: 880-46260-2
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/24 14:29	07/22/24 16:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/24 14:29	07/22/24 16:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/24 14:29	07/22/24 16:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/24 14:29	07/22/24 16:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/24 14:29	07/22/24 16:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/24 14:29	07/22/24 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*07/22/24 14:29*	*07/22/24 16:37*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/22/24 14:29*	*07/22/24 16:37*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: CS-59 (15')

Lab Sample ID: 880-46260-2
Date Collected: 07/19/24 00:00
Matrix: Solid
Date Received: 07/22/24 13:10

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			07/22/24 16:37	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			07/22/24 18:26	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	<50.5	U	50.5		mg/Kg		07/22/24 09:20	07/22/24 18:26	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/22/24 09:20	07/22/24 18:26	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/22/24 09:20	07/22/24 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*07/22/24 09:20*	*07/22/24 18:26*	*1*
o-Terphenyl	*77*		*70 - 130*	*07/22/24 09:20*	*07/22/24 18:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**	**F1**	5.01		mg/Kg			07/23/24 13:40	1

Client Sample ID: CS-60 (15')

Lab Sample ID: 880-46260-3
Date Collected: 07/19/24 00:00
Matrix: Solid
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:29	07/22/24 16:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:29	07/22/24 16:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:29	07/22/24 16:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/22/24 14:29	07/22/24 16:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:29	07/22/24 16:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/22/24 14:29	07/22/24 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*07/22/24 14:29*	*07/22/24 16:58*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*07/22/24 14:29*	*07/22/24 16:58*	*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			07/22/24 16:58	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			07/22/24 18:43	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		07/22/24 09:20	07/22/24 18:43	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/22/24 09:20	07/22/24 18:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: CS-60 (15')

Lab Sample ID: 880-46260-3
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/22/24 09:20	07/22/24 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*07/22/24 09:20*	*07/22/24 18:43*	*1*
o-Terphenyl	*82*		*70 - 130*	*07/22/24 09:20*	*07/22/24 18:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**141**		5.01		mg/Kg			07/23/24 13:56	1

Client Sample ID: CS-61 (15')

Lab Sample ID: 880-46260-4
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:29	07/22/24 17:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:29	07/22/24 17:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:29	07/22/24 17:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/24 14:29	07/22/24 17:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:29	07/22/24 17:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/24 14:29	07/22/24 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*07/22/24 14:29*	*07/22/24 17:19*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*07/22/24 14:29*	*07/22/24 17:19*	*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			07/22/24 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/22/24 19:59	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	<50.4	U	50.4		mg/Kg		07/22/24 16:39	07/22/24 19:59	1
Diesel Range Organics (Over C10-C28)	<50.4	U *1	50.4		mg/Kg		07/22/24 16:39	07/22/24 19:59	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/22/24 16:39	07/22/24 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*07/22/24 16:39*	*07/22/24 19:59*	*1*
o-Terphenyl	*71*		*70 - 130*	*07/22/24 16:39*	*07/22/24 19:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**151**		4.96		mg/Kg			07/23/24 14:01	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: CS-62 (15')

Lab Sample ID: 880-46260-5
Date Collected: 07/19/24 00:00
Matrix: Solid
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:29	07/22/24 17:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:29	07/22/24 17:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:29	07/22/24 17:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/24 14:29	07/22/24 17:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:29	07/22/24 17:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/24 14:29	07/22/24 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*07/22/24 14:29*	*07/22/24 17:39*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*07/22/24 14:29*	*07/22/24 17:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/24 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/22/24 20:44	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	<49.9	U	49.9		mg/Kg		07/22/24 16:39	07/22/24 20:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		07/22/24 16:39	07/22/24 20:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/24 16:39	07/22/24 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*07/22/24 16:39*	*07/22/24 20:44*	*1*
o-Terphenyl	*73*		*70 - 130*	*07/22/24 16:39*	*07/22/24 20:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		4.98		mg/Kg			07/23/24 14:17	1

Client Sample ID: SW-70 (5.0')

Lab Sample ID: 880-46260-6
Date Collected: 07/19/24 00:00
Matrix: Solid
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/22/24 14:29	07/22/24 18:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/22/24 14:29	07/22/24 18:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/22/24 14:29	07/22/24 18:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/22/24 14:29	07/22/24 18:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/22/24 14:29	07/22/24 18:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/22/24 14:29	07/22/24 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*07/22/24 14:29*	*07/22/24 18:00*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*07/22/24 14:29*	*07/22/24 18:00*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: SW-70 (5.0')

Lab Sample ID: 880-46260-6
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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			07/22/24 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/22/24 20:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/24 16:39	07/22/24 20:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		07/22/24 16:39	07/22/24 20:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/24 16:39	07/22/24 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*07/22/24 16:39*	*07/22/24 20:59*	*1*
o-Terphenyl	*79*		*70 - 130*	*07/22/24 16:39*	*07/22/24 20:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**264**		5.00		mg/Kg			07/23/24 14:22	1

Client Sample ID: SW-71 (15')

Lab Sample ID: 880-46260-7
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/24 14:29	07/22/24 18:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/24 14:29	07/22/24 18:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/24 14:29	07/22/24 18:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/24 14:29	07/22/24 18:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/24 14:29	07/22/24 18:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/24 14:29	07/22/24 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*07/22/24 14:29*	*07/22/24 18:20*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/22/24 14:29*	*07/22/24 18:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/24 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			07/22/24 21:13	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	<49.6	U	49.6		mg/Kg		07/22/24 16:39	07/22/24 21:13	1
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6		mg/Kg		07/22/24 16:39	07/22/24 21:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: SW-71 (15')

Lab Sample ID: 880-46260-7
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/22/24 16:39	07/22/24 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*07/22/24 16:39*	*07/22/24 21:13*	*1*
o-Terphenyl	*81*		*70 - 130*	*07/22/24 16:39*	*07/22/24 21:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.9**		5.02		mg/Kg			07/23/24 14:27	1

Client Sample ID: SW-72 (15')

Lab Sample ID: 880-46260-8
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:29	07/22/24 18:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:29	07/22/24 18:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:29	07/22/24 18:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/24 14:29	07/22/24 18:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:29	07/22/24 18:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/24 14:29	07/22/24 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*07/22/24 14:29*	*07/22/24 18:41*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/22/24 14:29*	*07/22/24 18:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/24 18:41	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			07/22/24 21:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		07/22/24 16:39	07/22/24 21:28	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		07/22/24 16:39	07/22/24 21:28	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/22/24 16:39	07/22/24 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*07/22/24 16:39*	*07/22/24 21:28*	*1*
o-Terphenyl	*78*		*70 - 130*	*07/22/24 16:39*	*07/22/24 21:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**191**		5.05		mg/Kg			07/23/24 14:33	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: SW-73 (15')

Lab Sample ID: 880-46260-9
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/24 14:29	07/22/24 19:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/24 14:29	07/22/24 19:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/24 14:29	07/22/24 19:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/24 14:29	07/22/24 19:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/24 14:29	07/22/24 19:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/24 14:29	07/22/24 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*07/22/24 14:29*	*07/22/24 19:01*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*07/22/24 14:29*	*07/22/24 19:01*	*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			07/22/24 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/22/24 21:43	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		07/22/24 16:39	07/22/24 21:43	1
Diesel Range Organics (Over C10-C28)	<50.4	U *1	50.4		mg/Kg		07/22/24 16:39	07/22/24 21:43	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/22/24 16:39	07/22/24 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*07/22/24 16:39*	*07/22/24 21:43*	*1*
o-Terphenyl	*71*		*70 - 130*	*07/22/24 16:39*	*07/22/24 21:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**121**		24.8		mg/Kg			07/23/24 14:38	5

Client Sample ID: SW-74 (15')

Lab Sample ID: 880-46260-10
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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		07/22/24 14:29	07/22/24 19:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:29	07/22/24 19:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:29	07/22/24 19:22	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/22/24 14:29	07/22/24 19:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:29	07/22/24 19:22	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/22/24 14:29	07/22/24 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*07/22/24 14:29*	*07/22/24 19:22*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*07/22/24 14:29*	*07/22/24 19:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: SW-74 (15')

Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Lab Sample ID: 880-46260-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/22/24 19:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/22/24 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		07/22/24 16:39	07/22/24 21:57	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		07/22/24 16:39	07/22/24 21:57	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/22/24 16:39	07/22/24 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*07/22/24 16:39*	*07/22/24 21:57*	*1*
o-Terphenyl	*82*		*70 - 130*	*07/22/24 16:39*	*07/22/24 21:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**166**		25.0		mg/Kg			07/23/24 14:43	5

Client Sample ID: SW-75 (15')

Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Lab Sample ID: 880-46260-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+ F1	0.00200		mg/Kg		07/22/24 14:35	07/22/24 16:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:35	07/22/24 16:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:35	07/22/24 16:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/24 14:35	07/22/24 16:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:35	07/22/24 16:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/24 14:35	07/22/24 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*07/22/24 14:35*	*07/22/24 16:24*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/22/24 14:35*	*07/22/24 16:24*	*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			07/22/24 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/24 22:13	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		07/22/24 16:39	07/22/24 22:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		07/22/24 16:39	07/22/24 22:13	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: SW-75 (15')

Lab Sample ID: 880-46260-11
Date Collected: 07/19/24 00:00
Matrix: Solid
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/24 16:39	07/22/24 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*07/22/24 16:39*	*07/22/24 22:13*	*1*
o-Terphenyl	*71*		*70 - 130*	*07/22/24 16:39*	*07/22/24 22:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**152**		4.99		mg/Kg			07/23/24 14:48	1

Client Sample ID: SW-76 (15')

Lab Sample ID: 880-46260-12
Date Collected: 07/19/24 00:00
Matrix: Solid
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		07/22/24 14:35	07/22/24 16:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:35	07/22/24 16:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:35	07/22/24 16:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/24 14:35	07/22/24 16:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:35	07/22/24 16:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/24 14:35	07/22/24 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*07/22/24 14:35*	*07/22/24 16:44*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/22/24 14:35*	*07/22/24 16:44*	*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			07/22/24 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	<49.7	U	49.7		mg/Kg			07/22/24 22:27	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		07/22/24 16:39	07/22/24 22:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		07/22/24 16:39	07/22/24 22:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/22/24 16:39	07/22/24 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*07/22/24 16:39*	*07/22/24 22:27*	*1*
o-Terphenyl	*80*		*70 - 130*	*07/22/24 16:39*	*07/22/24 22:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		4.96		mg/Kg			07/23/24 14:30	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: SW-77 (15')

Lab Sample ID: 880-46260-13
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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		07/22/24 14:35	07/22/24 17:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:35	07/22/24 17:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:35	07/22/24 17:04	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/22/24 14:35	07/22/24 17:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:35	07/22/24 17:04	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/22/24 14:35	07/22/24 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*07/22/24 14:35*	*07/22/24 17:04*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*07/22/24 14:35*	*07/22/24 17:04*	*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			07/22/24 17:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/22/24 22:43	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		07/22/24 16:39	07/22/24 22:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		07/22/24 16:39	07/22/24 22:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/24 16:39	07/22/24 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*07/22/24 16:39*	*07/22/24 22:43*	*1*
o-Terphenyl	*74*		*70 - 130*	*07/22/24 16:39*	*07/22/24 22:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**238**		4.96		mg/Kg			07/23/24 14:54	1

Client Sample ID: SW-78 (15')

Lab Sample ID: 880-46260-14
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		07/22/24 14:35	07/22/24 17:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:35	07/22/24 17:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:35	07/22/24 17:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/24 14:35	07/22/24 17:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/24 14:35	07/22/24 17:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/24 14:35	07/22/24 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*07/22/24 14:35*	*07/22/24 17:25*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/22/24 14:35*	*07/22/24 17:25*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: SW-78 (15')

Lab Sample ID: 880-46260-14
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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			07/22/24 17:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/22/24 23:13	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		07/22/24 16:39	07/22/24 23:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		07/22/24 16:39	07/22/24 23:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/24 16:39	07/22/24 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*07/22/24 16:39*	*07/22/24 23:13*	*1*
o-Terphenyl	*80*		*70 - 130*	*07/22/24 16:39*	*07/22/24 23:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**188**		5.02		mg/Kg			07/23/24 15:02	1

Client Sample ID: SW-79 (15')

Lab Sample ID: 880-46260-15
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		07/22/24 14:35	07/22/24 17:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:35	07/22/24 17:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:35	07/22/24 17:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/24 14:35	07/22/24 17:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:35	07/22/24 17:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/24 14:35	07/22/24 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*07/22/24 14:35*	*07/22/24 17:45*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/22/24 14:35*	*07/22/24 17:45*	*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			07/22/24 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			07/22/24 23:27	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		07/22/24 16:39	07/22/24 23:27	1
Diesel Range Organics (Over C10-C28)	<50.2	U *1	50.2		mg/Kg		07/22/24 16:39	07/22/24 23:27	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: SW-79 (15')

Lab Sample ID: 880-46260-15
Date Collected: 07/19/24 00:00
Matrix: Solid
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		07/22/24 16:39	07/22/24 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*07/22/24 16:39*	*07/22/24 23:27*	*1*
o-Terphenyl	*74*		*70 - 130*	*07/22/24 16:39*	*07/22/24 23:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**97.7**		5.05		mg/Kg			07/23/24 15:10	1

Client Sample ID: SW-80 (15')

Lab Sample ID: 880-46260-16
Date Collected: 07/19/24 00:00
Matrix: Solid
Date Received: 07/22/24 13:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		07/22/24 14:35	07/22/24 18:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:35	07/22/24 18:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:35	07/22/24 18:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/24 14:35	07/22/24 18:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:35	07/22/24 18:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/24 14:35	07/22/24 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*07/22/24 14:35*	*07/22/24 18:06*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*07/22/24 14:35*	*07/22/24 18:06*	*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			07/22/24 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/22/24 23:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/22/24 16:39	07/22/24 23:42	1
Diesel Range Organics (Over C10-C28)	<50.4	U *1	50.4		mg/Kg		07/22/24 16:39	07/22/24 23:42	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/22/24 16:39	07/22/24 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*07/22/24 16:39*	*07/22/24 23:42*	*1*
o-Terphenyl	*76*		*70 - 130*	*07/22/24 16:39*	*07/22/24 23:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**321**		4.98		mg/Kg			07/23/24 15:18	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-46260-1	CS-58 (15')	86	80
880-46260-1 MS	CS-58 (15')	105	97
880-46260-1 MSD	CS-58 (15')	102	95
880-46260-2	CS-59 (15')	81	87
880-46260-3	CS-60 (15')	87	77
880-46260-4	CS-61 (15')	78	81
880-46260-5	CS-62 (15')	78	82
880-46260-6	SW-70 (5.0')	85	77
880-46260-7	SW-71 (15')	81	90
880-46260-8	SW-72 (15')	82	87
880-46260-9	SW-73 (15')	86	81
880-46260-10	SW-74 (15')	86	81
880-46260-11	SW-75 (15')	135 S1+	98
880-46260-11 MS	SW-75 (15')	120	114
880-46260-11 MSD	SW-75 (15')	127	112
880-46260-12	SW-76 (15')	135 S1+	96
880-46260-13	SW-77 (15')	140 S1+	101
880-46260-14	SW-78 (15')	136 S1+	99
880-46260-15	SW-79 (15')	141 S1+	100
880-46260-16	SW-80 (15')	135 S1+	97
LCS 880-86287/1-A	Lab Control Sample	105	110
LCS 880-86289/1-A	Lab Control Sample	133 S1+	122
LCSD 880-86287/2-A	Lab Control Sample Dup	100	101
LCSD 880-86289/2-A	Lab Control Sample Dup	131 S1+	115
MB 880-86287/5-A	Method Blank	66 S1-	89
MB 880-86289/5-A	Method Blank	130	94

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)
880-46238-A-6-C MS	Matrix Spike	98	80
880-46238-A-6-D MSD	Matrix Spike Duplicate	103	84
880-46248-A-6-B MS	Matrix Spike	86	81
880-46248-A-6-H MSD	Matrix Spike Duplicate	90	83
880-46260-1	CS-58 (15')	75	67 S1-
880-46260-2	CS-59 (15')	84	77
880-46260-3	CS-60 (15')	93	82
880-46260-4	CS-61 (15')	78	71
880-46260-4 MS	CS-61 (15')	94	76
880-46260-4 MSD	CS-61 (15')	94	75
880-46260-5	CS-62 (15')	80	73
880-46260-6	SW-70 (5.0')	87	79
880-46260-7	SW-71 (15')	90	81

Surrogate Summary

Client: Carmona Resources
Job ID: 880-46260-1
Project/Site: Uracas 8 (05.01.2024)
SDG: Lea County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-46260-8	SW-72 (15')	86	78								
880-46260-9	SW-73 (15')	79	71								
880-46260-10	SW-74 (15')	90	82								
880-46260-11	SW-75 (15')	79	71								
880-46260-12	SW-76 (15')	89	80								
880-46260-13	SW-77 (15')	79	74								
880-46260-14	SW-78 (15')	86	80								
880-46260-15	SW-79 (15')	83	74								
880-46260-16	SW-80 (15')	86	76								
LCS 880-86193/2-A	Lab Control Sample	87	73								
LCS 880-86231/2-A	Lab Control Sample	90	82								
LCS 880-86323/2-A	Lab Control Sample	96	80								
LCSD 880-86193/3-A	Lab Control Sample Dup	133 S1+	112								
LCSD 880-86231/3-A	Lab Control Sample Dup	97	88								
LCSD 880-86323/3-A	Lab Control Sample Dup	127	107								
MB 880-86193/1-A	Method Blank	92	87								
MB 880-86231/1-A	Method Blank	89	82								
MB 880-86323/1-A	Method Blank	97	91								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-86287/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 86222 — **Prep Batch: 86287**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:29	07/22/24 15:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:29	07/22/24 15:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:29	07/22/24 15:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/24 14:29	07/22/24 15:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:29	07/22/24 15:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/24 14:29	07/22/24 15:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*07/22/24 14:29*	*07/22/24 15:55*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/22/24 14:29*	*07/22/24 15:55*	*1*

Lab Sample ID: LCS 880-86287/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 86222 — **Prep Batch: 86287**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09413		mg/Kg		94	70 - 130		
Toluene			0.100	0.09495		mg/Kg		95	70 - 130		
Ethylbenzene			0.100	0.1107		mg/Kg		111	70 - 130		
m-Xylene & p-Xylene			0.200	0.2087		mg/Kg		104	70 - 130		
o-Xylene			0.100	0.09760		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-86287/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 86222 — **Prep Batch: 86287**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08773		mg/Kg		88	70 - 130	7	35
Toluene			0.100	0.09574		mg/Kg		96	70 - 130	1	35
Ethylbenzene			0.100	0.1126		mg/Kg		113	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2049		mg/Kg		102	70 - 130	2	35
o-Xylene			0.100	0.09582		mg/Kg		96	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-46260-1 MS — **Client Sample ID: CS-58 (15')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 86222 — **Prep Batch: 86287**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U	0.0992	0.08107		mg/Kg		82	70 - 130		
Toluene	<0.00198	U	0.0992	0.08983		mg/Kg		91	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

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

Lab Sample ID: 880-46260-1 MS
Matrix: Solid
Analysis Batch: 86222

Client Sample ID: CS-58 (15')
Prep Type: Total/NA
Prep Batch: 86287

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.0992	0.1133		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.198	0.2020		mg/Kg		102	70 - 130
o-Xylene	<0.00198	U	0.0992	0.09366		mg/Kg		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-46260-1 MSD
Matrix: Solid
Analysis Batch: 86222

Client Sample ID: CS-58 (15')
Prep Type: Total/NA
Prep Batch: 86287

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.07715		mg/Kg		77	70 - 130	5	35
Toluene	<0.00198	U	0.101	0.08465		mg/Kg		84	70 - 130	6	35
Ethylbenzene	<0.00198	U	0.101	0.1006		mg/Kg		100	70 - 130	12	35
m-Xylene & p-Xylene	<0.00397	U	0.202	0.1872		mg/Kg		93	70 - 130	8	35
o-Xylene	<0.00198	U	0.101	0.08739		mg/Kg		87	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-86289/5-A
Matrix: Solid
Analysis Batch: 86154

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:35	07/22/24 16:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:35	07/22/24 16:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:35	07/22/24 16:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/22/24 14:35	07/22/24 16:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:35	07/22/24 16:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/22/24 14:35	07/22/24 16:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*07/22/24 14:35*	*07/22/24 16:02*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/22/24 14:35*	*07/22/24 16:02*	*1*

Lab Sample ID: LCS 880-86289/1-A
Matrix: Solid
Analysis Batch: 86154

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1601	*+	mg/Kg		160	70 - 130
Toluene	0.100	0.1047		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1214		mg/Kg		121	70 - 130
m-Xylene & p-Xylene	0.200	0.2086		mg/Kg		104	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-86289/1-A
Matrix: Solid
Analysis Batch: 86154

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86289

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1014		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*

Lab Sample ID: LCSD 880-86289/2-A
Matrix: Solid
Analysis Batch: 86154

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86289

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1542	*+	mg/Kg		154	70 - 130	4	35
Toluene			0.100	0.1019		mg/Kg		102	70 - 130	3	35
Ethylbenzene			0.100	0.1177		mg/Kg		118	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2018		mg/Kg		101	70 - 130	3	35
o-Xylene			0.100	0.09768		mg/Kg		98	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: 880-46260-11 MS
Matrix: Solid
Analysis Batch: 86154

Client Sample ID: SW-75 (15')
Prep Type: Total/NA
Prep Batch: 86289

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U *+ F1	0.100	0.1555	F1	mg/Kg		155	70 - 130		
Toluene	<0.00200	U	0.100	0.1017		mg/Kg		102	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1169		mg/Kg		117	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2030		mg/Kg		100	70 - 130		
o-Xylene	<0.00200	U	0.100	0.09805		mg/Kg		98	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: 880-46260-11 MSD
Matrix: Solid
Analysis Batch: 86154

Client Sample ID: SW-75 (15')
Prep Type: Total/NA
Prep Batch: 86289

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *+ F1	0.100	0.1548	F1	mg/Kg		155	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.1022		mg/Kg		102	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.1179		mg/Kg		118	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2030		mg/Kg		100	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.09892		mg/Kg		99	70 - 130	1	35

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

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

Lab Sample ID: 880-46260-11 MSD
Matrix: Solid
Analysis Batch: 86154

Client Sample ID: SW-75 (15')
Prep Type: Total/NA
Prep Batch: 86289

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

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

Lab Sample ID: MB 880-86193/1-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/19/24 16:21	07/22/24 09:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/19/24 16:21	07/22/24 09:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/19/24 16:21	07/22/24 09:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	07/19/24 16:21	07/22/24 09:13	1
o-Terphenyl	87		70 - 130	07/19/24 16:21	07/22/24 09:13	1

Lab Sample ID: LCS 880-86193/2-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86193

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	935.4		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	765.4		mg/Kg		77	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	73		70 - 130

Lab Sample ID: LCSD 880-86193/3-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86193

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1130		mg/Kg		113	70 - 130	19	20
Diesel Range Organics (Over C10-C28)			1000	1160	*1	mg/Kg		116	70 - 130	41	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	112		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

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

Lab Sample ID: 880-46238-A-6-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 86226 — **Prep Batch: 86193**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	994	720.9		mg/Kg		73	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U *1 F1	994	673.6	F1	mg/Kg		68	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*80*		*70 - 130*

Lab Sample ID: 880-46238-A-6-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 86226 — **Prep Batch: 86193**

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	<49.7	U	994	757.3		mg/Kg		76	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.7	U *1 F1	994	695.0		mg/Kg		70	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Lab Sample ID: MB 880-86231/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 86270 — **Prep Batch: 86231**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/24 09:20	07/22/24 09:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/24 09:20	07/22/24 09:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/24 09:20	07/22/24 09:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*07/22/24 09:20*	*07/22/24 09:55*	*1*
o-Terphenyl	*82*		*70 - 130*	*07/22/24 09:20*	*07/22/24 09:55*	*1*

Lab Sample ID: LCS 880-86231/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 86270 — **Prep Batch: 86231**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1171		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	1000	922.2		mg/Kg		92	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-86231/2-A
Matrix: Solid
Analysis Batch: 86270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86231

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: LCSD 880-86231/3-A
Matrix: Solid
Analysis Batch: 86270

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86231

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1061		mg/Kg		106	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	820.6		mg/Kg		82	70 - 130	12	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 880-46248-A-6-B MS
Matrix: Solid
Analysis Batch: 86270

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 86231

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	999	792.0		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U F1	999	653.7	F1	mg/Kg		65	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-46248-A-6-H MSD
Matrix: Solid
Analysis Batch: 86270

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 86231

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	<49.6	U	999	829.3		mg/Kg		83	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.6	U F1	999	645.5	F1	mg/Kg		65	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	83		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-86323/1-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86323

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/24 16:38	07/22/24 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/24 16:38	07/22/24 19:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/24 16:38	07/22/24 19:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*07/22/24 16:38*	*07/22/24 19:13*	*1*
o-Terphenyl	*91*		*70 - 130*	*07/22/24 16:38*	*07/22/24 19:13*	*1*

Lab Sample ID: LCS 880-86323/2-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86323

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1004		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	839.8		mg/Kg		84	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*80*		*70 - 130*

Lab Sample ID: LCSD 880-86323/3-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86323

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1057		mg/Kg		106	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1104	*1	mg/Kg		110	70 - 130	27	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*127*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: 880-46260-4 MS
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: CS-61 (15')
Prep Type: Total/NA
Prep Batch: 86323

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	1010	1195		mg/Kg		118	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.4	U *1	1010	1050		mg/Kg		101	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

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

Lab Sample ID: 880-46260-4 MS
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: CS-61 (15')
Prep Type: Total/NA
Prep Batch: 86323

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: 880-46260-4 MSD
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: CS-61 (15')
Prep Type: Total/NA
Prep Batch: 86323

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	<50.4	U	1010	1197		mg/Kg		119	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.4	U *1	1010	1028		mg/Kg		99	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	75		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86285/1-A
Matrix: Solid
Analysis Batch: 86293

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			07/23/24 12:11	1

Lab Sample ID: LCS 880-86285/2-A
Matrix: Solid
Analysis Batch: 86293

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.2		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-86285/3-A
Matrix: Solid
Analysis Batch: 86293

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	246.1		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-46260-2 MS
Matrix: Solid
Analysis Batch: 86293

Client Sample ID: CS-59 (15')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	210	F1	251	492.8	F1	mg/Kg		113	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-46260-2 MSD — **Client Sample ID: CS-59 (15')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 86293

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	210	F1	251	495.1	F1	mg/Kg		114	90 - 110	0	20

Lab Sample ID: MB 880-86309/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 86322

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/23/24 14:07	1

Lab Sample ID: LCS 880-86309/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 86322

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.2		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-86309/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 86322

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	262.0		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-46260-12 MS — **Client Sample ID: SW-76 (15')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 86322

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	103		248	366.2		mg/Kg		106	90 - 110

Lab Sample ID: 880-46260-12 MSD — **Client Sample ID: SW-76 (15')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 86322

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	103		248	366.8		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 86154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-11	SW-75 (15')	Total/NA	Solid	8021B	86289
880-46260-12	SW-76 (15')	Total/NA	Solid	8021B	86289
880-46260-13	SW-77 (15')	Total/NA	Solid	8021B	86289
880-46260-14	SW-78 (15')	Total/NA	Solid	8021B	86289
880-46260-15	SW-79 (15')	Total/NA	Solid	8021B	86289
880-46260-16	SW-80 (15')	Total/NA	Solid	8021B	86289
MB 880-86289/5-A	Method Blank	Total/NA	Solid	8021B	86289
LCS 880-86289/1-A	Lab Control Sample	Total/NA	Solid	8021B	86289
LCSD 880-86289/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	86289
880-46260-11 MS	SW-75 (15')	Total/NA	Solid	8021B	86289
880-46260-11 MSD	SW-75 (15')	Total/NA	Solid	8021B	86289

Analysis Batch: 86222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-1	CS-58 (15')	Total/NA	Solid	8021B	86287
880-46260-2	CS-59 (15')	Total/NA	Solid	8021B	86287
880-46260-3	CS-60 (15')	Total/NA	Solid	8021B	86287
880-46260-4	CS-61 (15')	Total/NA	Solid	8021B	86287
880-46260-5	CS-62 (15')	Total/NA	Solid	8021B	86287
880-46260-6	SW-70 (5.0')	Total/NA	Solid	8021B	86287
880-46260-7	SW-71 (15')	Total/NA	Solid	8021B	86287
880-46260-8	SW-72 (15')	Total/NA	Solid	8021B	86287
880-46260-9	SW-73 (15')	Total/NA	Solid	8021B	86287
880-46260-10	SW-74 (15')	Total/NA	Solid	8021B	86287
MB 880-86287/5-A	Method Blank	Total/NA	Solid	8021B	86287
LCS 880-86287/1-A	Lab Control Sample	Total/NA	Solid	8021B	86287
LCSD 880-86287/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	86287
880-46260-1 MS	CS-58 (15')	Total/NA	Solid	8021B	86287
880-46260-1 MSD	CS-58 (15')	Total/NA	Solid	8021B	86287

Prep Batch: 86287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-1	CS-58 (15')	Total/NA	Solid	5035	
880-46260-2	CS-59 (15')	Total/NA	Solid	5035	
880-46260-3	CS-60 (15')	Total/NA	Solid	5035	
880-46260-4	CS-61 (15')	Total/NA	Solid	5035	
880-46260-5	CS-62 (15')	Total/NA	Solid	5035	
880-46260-6	SW-70 (5.0')	Total/NA	Solid	5035	
880-46260-7	SW-71 (15')	Total/NA	Solid	5035	
880-46260-8	SW-72 (15')	Total/NA	Solid	5035	
880-46260-9	SW-73 (15')	Total/NA	Solid	5035	
880-46260-10	SW-74 (15')	Total/NA	Solid	5035	
MB 880-86287/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-86287/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-86287/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46260-1 MS	CS-58 (15')	Total/NA	Solid	5035	
880-46260-1 MSD	CS-58 (15')	Total/NA	Solid	5035	

Prep Batch: 86289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-11	SW-75 (15')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 86289 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-12	SW-76 (15')	Total/NA	Solid	5035	
880-46260-13	SW-77 (15')	Total/NA	Solid	5035	
880-46260-14	SW-78 (15')	Total/NA	Solid	5035	
880-46260-15	SW-79 (15')	Total/NA	Solid	5035	
880-46260-16	SW-80 (15')	Total/NA	Solid	5035	
MB 880-86289/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-86289/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-86289/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46260-11 MS	SW-75 (15')	Total/NA	Solid	5035	
880-46260-11 MSD	SW-75 (15')	Total/NA	Solid	5035	

Analysis Batch: 86359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-1	CS-58 (15')	Total/NA	Solid	Total BTEX	
880-46260-2	CS-59 (15')	Total/NA	Solid	Total BTEX	
880-46260-3	CS-60 (15')	Total/NA	Solid	Total BTEX	
880-46260-4	CS-61 (15')	Total/NA	Solid	Total BTEX	
880-46260-5	CS-62 (15')	Total/NA	Solid	Total BTEX	
880-46260-6	SW-70 (5.0')	Total/NA	Solid	Total BTEX	
880-46260-7	SW-71 (15')	Total/NA	Solid	Total BTEX	
880-46260-8	SW-72 (15')	Total/NA	Solid	Total BTEX	
880-46260-9	SW-73 (15')	Total/NA	Solid	Total BTEX	
880-46260-10	SW-74 (15')	Total/NA	Solid	Total BTEX	
880-46260-11	SW-75 (15')	Total/NA	Solid	Total BTEX	
880-46260-12	SW-76 (15')	Total/NA	Solid	Total BTEX	
880-46260-13	SW-77 (15')	Total/NA	Solid	Total BTEX	
880-46260-14	SW-78 (15')	Total/NA	Solid	Total BTEX	
880-46260-15	SW-79 (15')	Total/NA	Solid	Total BTEX	
880-46260-16	SW-80 (15')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 86193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-1	CS-58 (15')	Total/NA	Solid	8015NM Prep	
MB 880-86193/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-86193/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86193/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46238-A-6-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-46238-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 86226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-1	CS-58 (15')	Total/NA	Solid	8015B NM	86193
880-46260-4	CS-61 (15')	Total/NA	Solid	8015B NM	86323
880-46260-5	CS-62 (15')	Total/NA	Solid	8015B NM	86323
880-46260-6	SW-70 (5.0')	Total/NA	Solid	8015B NM	86323
880-46260-7	SW-71 (15')	Total/NA	Solid	8015B NM	86323
880-46260-8	SW-72 (15')	Total/NA	Solid	8015B NM	86323
880-46260-9	SW-73 (15')	Total/NA	Solid	8015B NM	86323
880-46260-10	SW-74 (15')	Total/NA	Solid	8015B NM	86323

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 86226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-11	SW-75 (15')	Total/NA	Solid	8015B NM	86323
880-46260-12	SW-76 (15')	Total/NA	Solid	8015B NM	86323
880-46260-13	SW-77 (15')	Total/NA	Solid	8015B NM	86323
880-46260-14	SW-78 (15')	Total/NA	Solid	8015B NM	86323
880-46260-15	SW-79 (15')	Total/NA	Solid	8015B NM	86323
880-46260-16	SW-80 (15')	Total/NA	Solid	8015B NM	86323
MB 880-86193/1-A	Method Blank	Total/NA	Solid	8015B NM	86193
MB 880-86323/1-A	Method Blank	Total/NA	Solid	8015B NM	86323
LCS 880-86193/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86193
LCS 880-86323/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86323
LCSD 880-86193/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86193
LCSD 880-86323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86323
880-46238-A-6-C MS	Matrix Spike	Total/NA	Solid	8015B NM	86193
880-46238-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	86193
880-46260-4 MS	CS-61 (15')	Total/NA	Solid	8015B NM	86323
880-46260-4 MSD	CS-61 (15')	Total/NA	Solid	8015B NM	86323

Prep Batch: 86231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-2	CS-59 (15')	Total/NA	Solid	8015NM Prep	
880-46260-3	CS-60 (15')	Total/NA	Solid	8015NM Prep	
MB 880-86231/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-86231/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86231/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46248-A-6-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-46248-A-6-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 86270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-2	CS-59 (15')	Total/NA	Solid	8015B NM	86231
880-46260-3	CS-60 (15')	Total/NA	Solid	8015B NM	86231
MB 880-86231/1-A	Method Blank	Total/NA	Solid	8015B NM	86231
LCS 880-86231/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86231
LCSD 880-86231/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86231
880-46248-A-6-B MS	Matrix Spike	Total/NA	Solid	8015B NM	86231
880-46248-A-6-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	86231

Prep Batch: 86323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-4	CS-61 (15')	Total/NA	Solid	8015NM Prep	
880-46260-5	CS-62 (15')	Total/NA	Solid	8015NM Prep	
880-46260-6	SW-70 (5.0')	Total/NA	Solid	8015NM Prep	
880-46260-7	SW-71 (15')	Total/NA	Solid	8015NM Prep	
880-46260-8	SW-72 (15')	Total/NA	Solid	8015NM Prep	
880-46260-9	SW-73 (15')	Total/NA	Solid	8015NM Prep	
880-46260-10	SW-74 (15')	Total/NA	Solid	8015NM Prep	
880-46260-11	SW-75 (15')	Total/NA	Solid	8015NM Prep	
880-46260-12	SW-76 (15')	Total/NA	Solid	8015NM Prep	
880-46260-13	SW-77 (15')	Total/NA	Solid	8015NM Prep	
880-46260-14	SW-78 (15')	Total/NA	Solid	8015NM Prep	
880-46260-15	SW-79 (15')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 86323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-16	SW-80 (15')	Total/NA	Solid	8015NM Prep	
MB 880-86323/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-86323/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46260-4 MS	CS-61 (15')	Total/NA	Solid	8015NM Prep	
880-46260-4 MSD	CS-61 (15')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 86380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-1	CS-58 (15')	Total/NA	Solid	8015 NM	
880-46260-2	CS-59 (15')	Total/NA	Solid	8015 NM	
880-46260-3	CS-60 (15')	Total/NA	Solid	8015 NM	
880-46260-4	CS-61 (15')	Total/NA	Solid	8015 NM	
880-46260-5	CS-62 (15')	Total/NA	Solid	8015 NM	
880-46260-6	SW-70 (5.0')	Total/NA	Solid	8015 NM	
880-46260-7	SW-71 (15')	Total/NA	Solid	8015 NM	
880-46260-8	SW-72 (15')	Total/NA	Solid	8015 NM	
880-46260-9	SW-73 (15')	Total/NA	Solid	8015 NM	
880-46260-10	SW-74 (15')	Total/NA	Solid	8015 NM	
880-46260-11	SW-75 (15')	Total/NA	Solid	8015 NM	
880-46260-12	SW-76 (15')	Total/NA	Solid	8015 NM	
880-46260-13	SW-77 (15')	Total/NA	Solid	8015 NM	
880-46260-14	SW-78 (15')	Total/NA	Solid	8015 NM	
880-46260-15	SW-79 (15')	Total/NA	Solid	8015 NM	
880-46260-16	SW-80 (15')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 86285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-1	CS-58 (15')	Soluble	Solid	DI Leach	
880-46260-2	CS-59 (15')	Soluble	Solid	DI Leach	
880-46260-3	CS-60 (15')	Soluble	Solid	DI Leach	
880-46260-4	CS-61 (15')	Soluble	Solid	DI Leach	
880-46260-5	CS-62 (15')	Soluble	Solid	DI Leach	
880-46260-6	SW-70 (5.0')	Soluble	Solid	DI Leach	
880-46260-7	SW-71 (15')	Soluble	Solid	DI Leach	
880-46260-8	SW-72 (15')	Soluble	Solid	DI Leach	
880-46260-9	SW-73 (15')	Soluble	Solid	DI Leach	
880-46260-10	SW-74 (15')	Soluble	Solid	DI Leach	
880-46260-11	SW-75 (15')	Soluble	Solid	DI Leach	
MB 880-86285/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-86285/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-86285/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46260-2 MS	CS-59 (15')	Soluble	Solid	DI Leach	
880-46260-2 MSD	CS-59 (15')	Soluble	Solid	DI Leach	

Analysis Batch: 86293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-1	CS-58 (15')	Soluble	Solid	300.0	86285
880-46260-2	CS-59 (15')	Soluble	Solid	300.0	86285

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 86293 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-3	CS-60 (15')	Soluble	Solid	300.0	86285
880-46260-4	CS-61 (15')	Soluble	Solid	300.0	86285
880-46260-5	CS-62 (15')	Soluble	Solid	300.0	86285
880-46260-6	SW-70 (5.0')	Soluble	Solid	300.0	86285
880-46260-7	SW-71 (15')	Soluble	Solid	300.0	86285
880-46260-8	SW-72 (15')	Soluble	Solid	300.0	86285
880-46260-9	SW-73 (15')	Soluble	Solid	300.0	86285
880-46260-10	SW-74 (15')	Soluble	Solid	300.0	86285
880-46260-11	SW-75 (15')	Soluble	Solid	300.0	86285
MB 880-86285/1-A	Method Blank	Soluble	Solid	300.0	86285
LCS 880-86285/2-A	Lab Control Sample	Soluble	Solid	300.0	86285
LCSD 880-86285/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	86285
880-46260-2 MS	CS-59 (15')	Soluble	Solid	300.0	86285
880-46260-2 MSD	CS-59 (15')	Soluble	Solid	300.0	86285

Leach Batch: 86309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-12	SW-76 (15')	Soluble	Solid	DI Leach	
880-46260-13	SW-77 (15')	Soluble	Solid	DI Leach	
880-46260-14	SW-78 (15')	Soluble	Solid	DI Leach	
880-46260-15	SW-79 (15')	Soluble	Solid	DI Leach	
880-46260-16	SW-80 (15')	Soluble	Solid	DI Leach	
MB 880-86309/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-86309/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-86309/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46260-12 MS	SW-76 (15')	Soluble	Solid	DI Leach	
880-46260-12 MSD	SW-76 (15')	Soluble	Solid	DI Leach	

Analysis Batch: 86322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46260-12	SW-76 (15')	Soluble	Solid	300.0	86309
880-46260-13	SW-77 (15')	Soluble	Solid	300.0	86309
880-46260-14	SW-78 (15')	Soluble	Solid	300.0	86309
880-46260-15	SW-79 (15')	Soluble	Solid	300.0	86309
880-46260-16	SW-80 (15')	Soluble	Solid	300.0	86309
MB 880-86309/1-A	Method Blank	Soluble	Solid	300.0	86309
LCS 880-86309/2-A	Lab Control Sample	Soluble	Solid	300.0	86309
LCSD 880-86309/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	86309
880-46260-12 MS	SW-76 (15')	Soluble	Solid	300.0	86309
880-46260-12 MSD	SW-76 (15')	Soluble	Solid	300.0	86309

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: CS-58 (15')

Lab Sample ID: 880-46260-1
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	86287	07/22/24 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86222	07/22/24 16:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 17:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	86193	07/19/24 16:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 17:54	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	86285	07/22/24 13:51	SA	EET MID
Soluble	Analysis	300.0		1			86293	07/23/24 13:34	SMC	EET MID

Client Sample ID: CS-59 (15')

Lab Sample ID: 880-46260-2
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	86287	07/22/24 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86222	07/22/24 16:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 18:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	86231	07/22/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86270	07/22/24 18:26	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	86285	07/22/24 13:51	SA	EET MID
Soluble	Analysis	300.0		1			86293	07/23/24 13:40	SMC	EET MID

Client Sample ID: CS-60 (15')

Lab Sample ID: 880-46260-3
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	86287	07/22/24 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86222	07/22/24 16:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 16:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 18:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	86231	07/22/24 09:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86270	07/22/24 18:43	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	86285	07/22/24 13:51	SA	EET MID
Soluble	Analysis	300.0		1			86293	07/23/24 13:56	SMC	EET MID

Client Sample ID: CS-61 (15')

Lab Sample ID: 880-46260-4
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	86287	07/22/24 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86222	07/22/24 17:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 17:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: CS-61 (15')

Lab Sample ID: 880-46260-4
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			86380	07/22/24 19:59	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 19:59	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	86285	07/22/24 13:51	SA	EET MID
Soluble	Analysis	300.0		1			86293	07/23/24 14:01	SMC	EET MID

Client Sample ID: CS-62 (15')

Lab Sample ID: 880-46260-5
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	86287	07/22/24 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86222	07/22/24 17:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 20:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 20:44	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	86285	07/22/24 13:51	SA	EET MID
Soluble	Analysis	300.0		1			86293	07/23/24 14:17	SMC	EET MID

Client Sample ID: SW-70 (5.0')

Lab Sample ID: 880-46260-6
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	86287	07/22/24 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86222	07/22/24 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 18:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 20:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 20:59	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	86285	07/22/24 13:51	SA	EET MID
Soluble	Analysis	300.0		1			86293	07/23/24 14:22	SMC	EET MID

Client Sample ID: SW-71 (15')

Lab Sample ID: 880-46260-7
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	86287	07/22/24 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86222	07/22/24 18:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 18:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 21:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 21:13	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: SW-71 (15')

Lab Sample ID: 880-46260-7
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

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	86285	07/22/24 13:51	SA	EET MID
Soluble	Analysis	300.0		1			86293	07/23/24 14:27	SMC	EET MID

Client Sample ID: SW-72 (15')

Lab Sample ID: 880-46260-8
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	86287	07/22/24 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86222	07/22/24 18:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 18:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 21:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 21:28	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	86285	07/22/24 13:51	SA	EET MID
Soluble	Analysis	300.0		1			86293	07/23/24 14:33	SMC	EET MID

Client Sample ID: SW-73 (15')

Lab Sample ID: 880-46260-9
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	86287	07/22/24 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86222	07/22/24 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 19:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 21:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 21:43	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	86285	07/22/24 13:51	SA	EET MID
Soluble	Analysis	300.0		5			86293	07/23/24 14:38	SMC	EET MID

Client Sample ID: SW-74 (15')

Lab Sample ID: 880-46260-10
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	86287	07/22/24 14:29	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86222	07/22/24 19:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 19:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 21:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 21:57	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	86285	07/22/24 13:51	SA	EET MID
Soluble	Analysis	300.0		5			86293	07/23/24 14:43	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: SW-75 (15')

Lab Sample ID: 880-46260-11
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	86289	07/22/24 14:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86154	07/22/24 16:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 16:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 22:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 22:13	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	86285	07/22/24 13:51	SA	EET MID
Soluble	Analysis	300.0		1			86293	07/23/24 14:48	SMC	EET MID

Client Sample ID: SW-76 (15')

Lab Sample ID: 880-46260-12
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	86289	07/22/24 14:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86154	07/22/24 16:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 22:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 22:27	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	86309	07/22/24 15:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86322	07/23/24 14:30	CH	EET MID

Client Sample ID: SW-77 (15')

Lab Sample ID: 880-46260-13
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	86289	07/22/24 14:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86154	07/22/24 17:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 17:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 22:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 22:43	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	86309	07/22/24 15:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86322	07/23/24 14:54	CH	EET MID

Client Sample ID: SW-78 (15')

Lab Sample ID: 880-46260-14
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	86289	07/22/24 14:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86154	07/22/24 17:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 17:25	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Client Sample ID: SW-78 (15')

Lab Sample ID: 880-46260-14
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			86380	07/22/24 23:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 23:13	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	86309	07/22/24 15:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86322	07/23/24 15:02	CH	EET MID

Client Sample ID: SW-79 (15')

Lab Sample ID: 880-46260-15
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	86289	07/22/24 14:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86154	07/22/24 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 17:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 23:27	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 23:27	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	86309	07/22/24 15:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86322	07/23/24 15:10	CH	EET MID

Client Sample ID: SW-80 (15')

Lab Sample ID: 880-46260-16
Matrix: Solid
Date Collected: 07/19/24 00:00
Date Received: 07/22/24 13:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	86289	07/22/24 14:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86154	07/22/24 18:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86359	07/22/24 18:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			86380	07/22/24 23:42	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/22/24 23:42	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	86309	07/22/24 15:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86322	07/23/24 15:18	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: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46260-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-46260-1	CS-58 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-2	CS-59 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-3	CS-60 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-4	CS-61 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-5	CS-62 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-6	SW-70 (5.0')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-7	SW-71 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-8	SW-72 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-9	SW-73 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-10	SW-74 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-11	SW-75 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-12	SW-76 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-13	SW-77 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-14	SW-78 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-15	SW-79 (15')	Solid	07/19/24 00:00	07/22/24 13:10
880-46260-16	SW-80 (15')	Solid	07/19/24 00:00	07/22/24 13:10

Page 590 of 702

Chain of Custody

Wo

880-46260 Chain of Custody

7/24/2024

Page ___1___ of ___2___

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	ZHS
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.8
Total Containers:		Corrected Temperature:	-1.9

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-58 (15')	7/19/2024		X		C	1		X	X	X		
CS-59 (15')	7/19/2024		X		C	1		X	X	X		
CS-60 (15')	7/19/2024		X		C	1		X	X	X		
CS-61 (15')	7/19/2024		X		C	1		X	X	X		
CS-62 (15')	7/19/2024		X		C	1		X	X	X		
SW-70 (5.0')	7/19/2024		X		C	1		X	X	X		
SW-71 (15')	7/19/2024		X		C	1		X	X	X		
SW-72 (15')	7/19/2024		X		C	1		X	X	X		
SW-73 (15')	7/19/2024		X		C	1		X	X	X		
SW-74 (15')	7/19/2024		X		C	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	1310	7/22/24	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Page 591 of 702

Chain of Custody

Work Order No: H6260

7/24/2024

Page 2 of 2

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around		Pres. Code	
Project Number:	2362	☐ Routine	☑ Rush		
Project Location	Lea County, NM	Due Date:	24 hrs		
Sampler's Name:	GPJ				
PO #:					

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

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
SW-75 (15')	7/19/2024		X		C	1	X	X	X		
SW-76 (15')	7/19/2024		X		C	1	X	X	X		
SW-77 (15')	7/19/2024		X		C	1	X	X	X		
SW-78 (15')	7/19/2024		X		C	1	X	X	X		
SW-79 (15')	7/19/2024		X		C	1	X	X	X		
SW-80 (15')	7/19/2024		X		C	1	X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	1310	7/22/24	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Page 45 of 46

Received by OCD: 9/23/2024 12:57:12 PM

Released to Imaging: 10/22/2024 11:31:47 AM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-46260-1
SDG Number: Lea County, NM

Login Number: 46260
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 9/9/2024 5:58:47 PM

JOB DESCRIPTION

Uracas 8 (05.01.2024)
Lea County, NM

JOB NUMBER

880-48120-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 10/22/2024 11:31:47 AM

my EOL

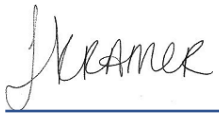
Eurofins Midland

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
9/9/2024 5:58:47 PM

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

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Laboratory Job ID: 880-48120-1
SDG: Lea County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 28
QC Sample Results 30
QC Association Summary 40
Lab Chronicle 47
Certification Summary 56
Method Summary 57
Sample Summary 58
Chain of Custody 59
Receipt Checklists 62

Definitions/Glossary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high 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)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-48120-1

Job ID: 880-48120-1 Eurofins Midland

Job Narrative
880-48120-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 9/6/2024 4:51 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 5.3°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-10 (15') (880-48120-1), SW-11 (15') (880-48120-2), SW-12 (4.0') (880-48120-3), SW-13 (15') (880-48120-4), SW-14 (15') (880-48120-5), SW-15 (10') (880-48120-6), SW-81 (15') (880-48120-7), SW-82 (5.0') (880-48120-8), SW-83 (5.0') (880-48120-9), SW-84 (20') (880-48120-10), SW-85 (20') (880-48120-11), SW-86 (20') (880-48120-12), SW-87 (20') (880-48120-13), SW-88 (20') (880-48120-14), SW-89 (20') (880-48120-15), SW-90 (5.0') (880-48120-16), SW-91 (5.0') (880-48120-17), CS-3 (15') (880-48120-18), CS-7 (15') (880-48120-19), CS-8 (15') (880-48120-20), CS-9 (15') (880-48120-21), CS-10 (15') (880-48120-22), CS-35 (2.25') (880-48120-23), CS-358(2.25') (880-48120-24), CS-63 (5.0') (880-48120-25), CS-64 (20') (880-48120-26) and CS-65 (20') (880-48120-27).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-90274 and analytical batch 880-90266 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-90270 and analytical batch 880-90267 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-9 (15') (880-48120-21), CS-10 (15') (880-48120-22), CS-35 (2.25') (880-48120-23), CS-358(2.25') (880-48120-24), CS-63 (5.0') (880-48120-25), CS-64 (20') (880-48120-26), CS-65 (20') (880-48120-27), (LCS 880-90271/1-A), (LCSD 880-90271/2-A), (MB 880-90271/5-A), (880-48120-A-21-E MS) and (880-48120-A-21-F MSD). 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: SW-81 (15') (880-48120-7). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-90261 and analytical batch 880-90272 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: SW-91 (5.0') (880-48120-17), CS-7 (15') (880-48120-19), CS-8 (15') (880-48120-20), CS-10 (15') (880-48120-22), CS-35 (2.25') (880-48120-23), CS-63 (5.0') (880-48120-25), CS-64 (20') (880-48120-26), (LCS 880-90261/2-A) and (LCSD 880-90261/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-48120-A-17-B MS) and (880-48120-A-17-C MSD). Evidence of matrix interferences is not obvious.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-48120-1

Job ID: 880-48120-1 (Continued) Eurofins Midland

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-90259 and analytical batch 880-90275 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-90259/2-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-358(2.25') (880-48120-24). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-90 (5.0') (880-48120-16). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The Chloride matrix spike (MS) recoveries for preparation batch 880-90268 and analytical batch 880-90284 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

The associated samples are: CS-9 (15') (880-48120-21), CS-10 (15') (880-48120-22), CS-35 (2.25') (880-48120-23), CS-358(2.25') (880-48120-24), CS-63 (5.0') (880-48120-25), CS-64 (20') (880-48120-26), CS-65 (20') (880-48120-27) and (880-48120-A-21-C MS).

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

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-10 (15')

Lab Sample ID: 880-48120-1
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:23	09/09/24 13:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:23	09/09/24 13:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:23	09/09/24 13:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/09/24 09:23	09/09/24 13:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:23	09/09/24 13:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/09/24 09:23	09/09/24 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*09/09/24 09:23*	*09/09/24 13:10*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/09/24 09:23*	*09/09/24 13:10*	*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			09/09/24 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/09/24 12:26	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		09/09/24 08:20	09/09/24 12:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		09/09/24 08:20	09/09/24 12:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/09/24 08:20	09/09/24 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*09/09/24 08:20*	*09/09/24 12:26*	*1*
o-Terphenyl	*104*		*70 - 130*	*09/09/24 08:20*	*09/09/24 12:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**177**		4.96		mg/Kg			09/09/24 10:40	5

Client Sample ID: SW-11 (15')

Lab Sample ID: 880-48120-2
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:23	09/09/24 13:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 13:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 13:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/09/24 09:23	09/09/24 13:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 13:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/09/24 09:23	09/09/24 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*09/09/24 09:23*	*09/09/24 13:31*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*09/09/24 09:23*	*09/09/24 13:31*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-11 (15')

Lab Sample ID: 880-48120-2
Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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			09/09/24 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/09/24 13:15	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	<49.9	U *+	49.9		mg/Kg		09/09/24 08:20	09/09/24 13:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		09/09/24 08:20	09/09/24 13:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/09/24 08:20	09/09/24 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*09/09/24 08:20*	*09/09/24 13:15*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/09/24 08:20*	*09/09/24 13:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.85**		0.992		mg/Kg			09/09/24 11:04	1

Client Sample ID: SW-12 (4.0')

Lab Sample ID: 880-48120-3
Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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		09/09/24 09:23	09/09/24 13:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:23	09/09/24 13:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:23	09/09/24 13:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/09/24 09:23	09/09/24 13:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:23	09/09/24 13:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/09/24 09:23	09/09/24 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*09/09/24 09:23*	*09/09/24 13:51*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*09/09/24 09:23*	*09/09/24 13:51*	*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			09/09/24 13:51	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			09/09/24 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *+	49.7		mg/Kg		09/09/24 08:20	09/09/24 13:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+	49.7		mg/Kg		09/09/24 08:20	09/09/24 13:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-12 (4.0')

Lab Sample ID: 880-48120-3
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/09/24 08:20	09/09/24 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*09/09/24 08:20*	*09/09/24 13:31*	*1*
o-Terphenyl	*114*		*70 - 130*	*09/09/24 08:20*	*09/09/24 13:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**172**		4.95		mg/Kg			09/09/24 11:12	5

Client Sample ID: SW-13 (15')

Lab Sample ID: 880-48120-4
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:23	09/09/24 14:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:23	09/09/24 14:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:23	09/09/24 14:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/09/24 09:23	09/09/24 14:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:23	09/09/24 14:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/09/24 09:23	09/09/24 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*09/09/24 09:23*	*09/09/24 14:12*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*09/09/24 09:23*	*09/09/24 14:12*	*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			09/09/24 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/09/24 13:48	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	<49.7	U *+	49.7		mg/Kg		09/09/24 08:20	09/09/24 13:48	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+	49.7		mg/Kg		09/09/24 08:20	09/09/24 13:48	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/09/24 08:20	09/09/24 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*09/09/24 08:20*	*09/09/24 13:48*	*1*
o-Terphenyl	*105*		*70 - 130*	*09/09/24 08:20*	*09/09/24 13:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**445**		4.96		mg/Kg			09/09/24 11:20	5

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-14 (15')

Lab Sample ID: 880-48120-5
Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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		09/09/24 09:23	09/09/24 14:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:23	09/09/24 14:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:23	09/09/24 14:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/09/24 09:23	09/09/24 14:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:23	09/09/24 14:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/09/24 09:23	09/09/24 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*09/09/24 09:23*	*09/09/24 14:32*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*09/09/24 09:23*	*09/09/24 14:32*	*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			09/09/24 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/09/24 14:04	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		09/09/24 08:20	09/09/24 14:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		09/09/24 08:20	09/09/24 14:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/09/24 08:20	09/09/24 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*09/09/24 08:20*	*09/09/24 14:04*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/09/24 08:20*	*09/09/24 14:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**523**		9.96		mg/Kg			09/09/24 11:28	10

Client Sample ID: SW-15 (10')

Lab Sample ID: 880-48120-6
Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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		09/09/24 09:23	09/09/24 14:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 14:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 14:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/09/24 09:23	09/09/24 14:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 14:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/09/24 09:23	09/09/24 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*09/09/24 09:23*	*09/09/24 14:53*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*09/09/24 09:23*	*09/09/24 14:53*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-15 (10')

Lab Sample ID: 880-48120-6
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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			09/09/24 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/09/24 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		09/09/24 08:20	09/09/24 14:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		09/09/24 08:20	09/09/24 14:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/09/24 08:20	09/09/24 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*09/09/24 08:20*	*09/09/24 14:20*	*1*
o-Terphenyl	*107*		*70 - 130*	*09/09/24 08:20*	*09/09/24 14:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**		5.02		mg/Kg			09/09/24 11:53	5

Client Sample ID: SW-81 (15')

Lab Sample ID: 880-48120-7
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:23	09/09/24 15:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 15:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 15:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/09/24 09:23	09/09/24 15:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 15:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/09/24 09:23	09/09/24 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*09/09/24 09:23*	*09/09/24 15:13*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*09/09/24 09:23*	*09/09/24 15:13*	*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			09/09/24 15:13	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			09/09/24 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		09/09/24 08:20	09/09/24 14:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		09/09/24 08:20	09/09/24 14:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-81 (15')

Lab Sample ID: 880-48120-7
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/24 08:20	09/09/24 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*09/09/24 08:20*	*09/09/24 14:37*	*1*
o-Terphenyl	*104*		*70 - 130*	*09/09/24 08:20*	*09/09/24 14:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.67**		0.994		mg/Kg			09/09/24 12:01	1

Client Sample ID: SW-82 (5.0')

Lab Sample ID: 880-48120-8
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:23	09/09/24 15:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:23	09/09/24 15:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:23	09/09/24 15:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/09/24 09:23	09/09/24 15:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:23	09/09/24 15:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/09/24 09:23	09/09/24 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*09/09/24 09:23*	*09/09/24 15:34*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*09/09/24 09:23*	*09/09/24 15:34*	*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			09/09/24 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/09/24 14:53	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		09/09/24 08:20	09/09/24 14:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		09/09/24 08:20	09/09/24 14:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/09/24 08:20	09/09/24 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*09/09/24 08:20*	*09/09/24 14:53*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/09/24 08:20*	*09/09/24 14:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.9**		0.996		mg/Kg			09/09/24 12:09	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-83 (5.0')

Lab Sample ID: 880-48120-9
Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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		09/09/24 09:23	09/09/24 15:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 15:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 15:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/09/24 09:23	09/09/24 15:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 15:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/09/24 09:23	09/09/24 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*09/09/24 09:23*	*09/09/24 15:54*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*09/09/24 09:23*	*09/09/24 15:54*	*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			09/09/24 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/09/24 15:09	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	<49.8	U *+	49.8		mg/Kg		09/09/24 08:20	09/09/24 15:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		09/09/24 08:20	09/09/24 15:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/09/24 08:20	09/09/24 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*09/09/24 08:20*	*09/09/24 15:09*	*1*
o-Terphenyl	*115*		*70 - 130*	*09/09/24 08:20*	*09/09/24 15:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.4**		0.992		mg/Kg			09/09/24 12:17	1

Client Sample ID: SW-84 (20')

Lab Sample ID: 880-48120-10
Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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		09/09/24 09:23	09/09/24 16:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:23	09/09/24 16:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:23	09/09/24 16:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/09/24 09:23	09/09/24 16:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:23	09/09/24 16:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/09/24 09:23	09/09/24 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*09/09/24 09:23*	*09/09/24 16:15*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*09/09/24 09:23*	*09/09/24 16:15*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-84 (20')

Lab Sample ID: 880-48120-10
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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			09/09/24 16:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/09/24 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *+	49.7		mg/Kg		09/09/24 08:20	09/09/24 15:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+	49.7		mg/Kg		09/09/24 08:20	09/09/24 15:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/09/24 08:20	09/09/24 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*09/09/24 08:20*	*09/09/24 15:25*	*1*
o-Terphenyl	*101*		*70 - 130*	*09/09/24 08:20*	*09/09/24 15:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.8**		0.996		mg/Kg			09/09/24 12:25	1

Client Sample ID: SW-85 (20')

Lab Sample ID: 880-48120-11
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:28	09/09/24 12:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:28	09/09/24 12:27	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		09/09/24 09:28	09/09/24 12:27	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		09/09/24 09:28	09/09/24 12:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:28	09/09/24 12:27	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		09/09/24 09:28	09/09/24 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*09/09/24 09:28*	*09/09/24 12:27*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*09/09/24 09:28*	*09/09/24 12:27*	*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			09/09/24 12:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/09/24 15:58	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	<50.0	U *+	50.0		mg/Kg		09/09/24 08:20	09/09/24 15:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		09/09/24 08:20	09/09/24 15:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-85 (20')

Lab Sample ID: 880-48120-11
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/24 08:20	09/09/24 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*09/09/24 08:20*	*09/09/24 15:58*	*1*
o-Terphenyl	*94*		*70 - 130*	*09/09/24 08:20*	*09/09/24 15:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.1**		1.01		mg/Kg			09/09/24 12:34	1

Client Sample ID: SW-86 (20')

Lab Sample ID: 880-48120-12
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:28	09/09/24 12:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 12:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 12:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/09/24 09:28	09/09/24 12:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 12:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/09/24 09:28	09/09/24 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*09/09/24 09:28*	*09/09/24 12:47*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*09/09/24 09:28*	*09/09/24 12:47*	*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			09/09/24 12:47	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			09/09/24 16:14	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	<49.9	U *+	49.9		mg/Kg		09/09/24 08:20	09/09/24 16:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		09/09/24 08:20	09/09/24 16:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/09/24 08:20	09/09/24 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*09/09/24 08:20*	*09/09/24 16:14*	*1*
o-Terphenyl	*103*		*70 - 130*	*09/09/24 08:20*	*09/09/24 16:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.4**		0.998		mg/Kg			09/09/24 12:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-87 (20')

Lab Sample ID: 880-48120-13
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:28	09/09/24 13:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:28	09/09/24 13:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:28	09/09/24 13:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/09/24 09:28	09/09/24 13:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:28	09/09/24 13:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/09/24 09:28	09/09/24 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*09/09/24 09:28*	*09/09/24 13:08*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*09/09/24 09:28*	*09/09/24 13:08*	*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			09/09/24 13:08	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			09/09/24 16:30	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		09/09/24 08:20	09/09/24 16:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		09/09/24 08:20	09/09/24 16:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/09/24 08:20	09/09/24 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*09/09/24 08:20*	*09/09/24 16:30*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/09/24 08:20*	*09/09/24 16:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.8**		1.00		mg/Kg			09/09/24 13:06	1

Client Sample ID: SW-88 (20')

Lab Sample ID: 880-48120-14
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:28	09/09/24 13:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:28	09/09/24 13:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:28	09/09/24 13:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/09/24 09:28	09/09/24 13:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:28	09/09/24 13:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/09/24 09:28	09/09/24 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*09/09/24 09:28*	*09/09/24 13:29*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*09/09/24 09:28*	*09/09/24 13:29*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-88 (20')

Lab Sample ID: 880-48120-14
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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			09/09/24 13:29	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			09/09/24 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		09/09/24 08:20	09/09/24 16:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		09/09/24 08:20	09/09/24 16:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/09/24 08:20	09/09/24 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*09/09/24 08:20*	*09/09/24 16:47*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/09/24 08:20*	*09/09/24 16:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.3**		1.00		mg/Kg			09/09/24 13:31	1

Client Sample ID: SW-89 (20')

Lab Sample ID: 880-48120-15
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:28	09/09/24 13:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:28	09/09/24 13:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:28	09/09/24 13:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/09/24 09:28	09/09/24 13:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:28	09/09/24 13:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/09/24 09:28	09/09/24 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*09/09/24 09:28*	*09/09/24 13:49*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*09/09/24 09:28*	*09/09/24 13:49*	*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			09/09/24 13:49	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			09/09/24 17:03	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		09/09/24 08:20	09/09/24 17:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		09/09/24 08:20	09/09/24 17:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-89 (20')

Lab Sample ID: 880-48120-15
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/24 08:20	09/09/24 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*09/09/24 08:20*	*09/09/24 17:03*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/09/24 08:20*	*09/09/24 17:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.01	U	1.01		mg/Kg			09/09/24 13:39	1

Client Sample ID: SW-90 (5.0')

Lab Sample ID: 880-48120-16
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:28	09/09/24 14:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 14:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 14:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/09/24 09:28	09/09/24 14:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 14:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/09/24 09:28	09/09/24 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*09/09/24 09:28*	*09/09/24 14:10*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*09/09/24 09:28*	*09/09/24 14:10*	*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			09/09/24 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**481**		49.8		mg/Kg			09/09/24 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		09/09/24 08:20	09/09/24 17:20	1
Diesel Range Organics (Over C10-C28)	**481**	***+**	49.8		mg/Kg		09/09/24 08:20	09/09/24 17:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/09/24 08:20	09/09/24 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*09/09/24 08:20*	*09/09/24 17:20*	*1*
o-Terphenyl	*129*		*70 - 130*	*09/09/24 08:20*	*09/09/24 17:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.01**		0.998		mg/Kg			09/09/24 13:47	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-91 (5.0')

Lab Sample ID: 880-48120-17
Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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		09/09/24 09:28	09/09/24 14:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 14:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 14:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/09/24 09:28	09/09/24 14:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 14:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/09/24 09:28	09/09/24 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*09/09/24 09:28*	*09/09/24 14:30*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*09/09/24 09:28*	*09/09/24 14:30*	*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			09/09/24 14:30	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			09/09/24 12:26	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	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 12:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 12:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 12:26*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 12:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.00	U	1.00		mg/Kg			09/09/24 13:55	1

Client Sample ID: CS-3 (15')

Lab Sample ID: 880-48120-18
Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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		09/09/24 09:28	09/09/24 14:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:28	09/09/24 14:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:28	09/09/24 14:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/09/24 09:28	09/09/24 14:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:28	09/09/24 14:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/09/24 09:28	09/09/24 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*09/09/24 09:28*	*09/09/24 14:51*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*09/09/24 09:28*	*09/09/24 14:51*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: CS-3 (15')

Lab Sample ID: 880-48120-18
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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			09/09/24 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/09/24 13:15	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	<49.9	U	49.9		mg/Kg		09/09/24 08:23	09/09/24 13:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/09/24 08:23	09/09/24 13:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/09/24 08:23	09/09/24 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*09/09/24 08:23*	*09/09/24 13:15*	*1*
o-Terphenyl	*118*		*70 - 130*	*09/09/24 08:23*	*09/09/24 13:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.33**		1.01		mg/Kg			09/09/24 14:03	1

Client Sample ID: CS-7 (15')

Lab Sample ID: 880-48120-19
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:28	09/09/24 15:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 15:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 15:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/09/24 09:28	09/09/24 15:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 15:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/09/24 09:28	09/09/24 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*09/09/24 09:28*	*09/09/24 15:12*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*09/09/24 09:28*	*09/09/24 15:12*	*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			09/09/24 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/09/24 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/09/24 08:23	09/09/24 13:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/09/24 08:23	09/09/24 13:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: CS-7 (15')

Lab Sample ID: 880-48120-19
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/09/24 08:23	09/09/24 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 13:31*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 13:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.30**		1.01		mg/Kg			09/09/24 14:12	1

Client Sample ID: CS-8 (15')

Lab Sample ID: 880-48120-20
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:28	09/09/24 15:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:28	09/09/24 15:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:28	09/09/24 15:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/09/24 09:28	09/09/24 15:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:28	09/09/24 15:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/09/24 09:28	09/09/24 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/09/24 09:28*	*09/09/24 15:32*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*09/09/24 09:28*	*09/09/24 15:32*	*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			09/09/24 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**83.4**		50.0		mg/Kg			09/09/24 13:48	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		09/09/24 08:23	09/09/24 13:48	1
Diesel Range Organics (Over C10-C28)	**83.4**		50.0		mg/Kg		09/09/24 08:23	09/09/24 13:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 13:48*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 13:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.70**		1.01		mg/Kg			09/09/24 14:20	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: CS-9 (15')

Lab Sample ID: 880-48120-21
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:25	09/09/24 12:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:25	09/09/24 12:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:25	09/09/24 12:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/09/24 09:25	09/09/24 12:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:25	09/09/24 12:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/09/24 09:25	09/09/24 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*09/09/24 09:25*	*09/09/24 12:55*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*09/09/24 09:25*	*09/09/24 12:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/09/24 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/09/24 14:04	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		09/09/24 08:23	09/09/24 14:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/09/24 08:23	09/09/24 14:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/09/24 08:23	09/09/24 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*09/09/24 08:23*	*09/09/24 14:04*	*1*
o-Terphenyl	*118*		*70 - 130*	*09/09/24 08:23*	*09/09/24 14:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U F1	4.97		mg/Kg			09/09/24 14:23	1

Client Sample ID: CS-10 (15')

Lab Sample ID: 880-48120-22
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:25	09/09/24 13:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:25	09/09/24 13:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:25	09/09/24 13:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/09/24 09:25	09/09/24 13:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:25	09/09/24 13:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/09/24 09:25	09/09/24 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*09/09/24 09:25*	*09/09/24 13:16*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/09/24 09:25*	*09/09/24 13:16*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: CS-10 (15')

Lab Sample ID: 880-48120-22
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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			09/09/24 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**131**		50.0		mg/Kg			09/09/24 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 14:20	1
Diesel Range Organics (Over C10-C28)	**131**		50.0		mg/Kg		09/09/24 08:23	09/09/24 14:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 14:20*	*1*
o-Terphenyl	*145*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 14:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**200**		5.03		mg/Kg			09/09/24 14:50	1

Client Sample ID: CS-35 (2.25')

Lab Sample ID: 880-48120-23
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:25	09/09/24 13:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:25	09/09/24 13:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:25	09/09/24 13:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/09/24 09:25	09/09/24 13:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/09/24 09:25	09/09/24 13:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/09/24 09:25	09/09/24 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*09/09/24 09:25*	*09/09/24 13:58*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/09/24 09:25*	*09/09/24 13:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/09/24 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/09/24 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/09/24 08:23	09/09/24 14:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/09/24 08:23	09/09/24 14:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: CS-35 (2.25')

Lab Sample ID: 880-48120-23
Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/09/24 08:23	09/09/24 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 14:37*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 14:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.8**		5.03		mg/Kg			09/09/24 15:08	1

Client Sample ID: CS-358(2.25')

Lab Sample ID: 880-48120-24
Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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		09/09/24 09:25	09/09/24 14:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:25	09/09/24 14:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:25	09/09/24 14:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/09/24 09:25	09/09/24 14:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:25	09/09/24 14:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/09/24 09:25	09/09/24 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*09/09/24 09:25*	*09/09/24 14:19*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/09/24 09:25*	*09/09/24 14:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/09/24 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/09/24 14:53	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	<49.9	U	49.9		mg/Kg		09/09/24 08:23	09/09/24 14:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/09/24 08:23	09/09/24 14:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/09/24 08:23	09/09/24 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 14:53*	*1*
o-Terphenyl	*127*		*70 - 130*	*09/09/24 08:23*	*09/09/24 14:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.9**		4.98		mg/Kg			09/09/24 15:16	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: CS-63 (5.0')

Lab Sample ID: 880-48120-25
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:25	09/09/24 14:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:25	09/09/24 14:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:25	09/09/24 14:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/09/24 09:25	09/09/24 14:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/09/24 09:25	09/09/24 14:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/09/24 09:25	09/09/24 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*09/09/24 09:25*	*09/09/24 14:39*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*09/09/24 09:25*	*09/09/24 14:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/09/24 14:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/09/24 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 15:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 15:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 15:09*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 15:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		4.96		mg/Kg			09/09/24 15:25	1

Client Sample ID: CS-64 (20')

Lab Sample ID: 880-48120-26
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:25	09/09/24 15:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:25	09/09/24 15:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:25	09/09/24 15:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/09/24 09:25	09/09/24 15:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:25	09/09/24 15:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/09/24 09:25	09/09/24 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*09/09/24 09:25*	*09/09/24 15:00*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*09/09/24 09:25*	*09/09/24 15:00*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: CS-64 (20')

Lab Sample ID: 880-48120-26
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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			09/09/24 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/09/24 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/09/24 08:23	09/09/24 15:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/09/24 08:23	09/09/24 15:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/09/24 08:23	09/09/24 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*143*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 15:25*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*09/09/24 08:23*	*09/09/24 15:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		4.98		mg/Kg			09/09/24 15:52	1

Client Sample ID: CS-65 (20')

Lab Sample ID: 880-48120-27
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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		09/09/24 09:25	09/09/24 15:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:25	09/09/24 15:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:25	09/09/24 15:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/09/24 09:25	09/09/24 15:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:25	09/09/24 15:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/09/24 09:25	09/09/24 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*09/09/24 09:25*	*09/09/24 15:20*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/09/24 09:25*	*09/09/24 15:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/09/24 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/09/24 15:58	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	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 15:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 15:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: CS-65 (20')

Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

Lab Sample ID: 880-48120-27

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*09/09/24 08:23*	*09/09/24 15:58*	*1*
o-Terphenyl	*120*		*70 - 130*	*09/09/24 08:23*	*09/09/24 15:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.3**		5.03		mg/Kg			09/09/24 16:01	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-48120-1	SW-10 (15')	94	104
880-48120-1 MS	SW-10 (15')	113	99
880-48120-1 MSD	SW-10 (15')	116	99
880-48120-2	SW-11 (15')	118	114
880-48120-3	SW-12 (4.0')	115	107
880-48120-4	SW-13 (15')	112	109
880-48120-5	SW-14 (15')	119	109
880-48120-6	SW-15 (10')	114	103
880-48120-7	SW-81 (15')	132 S1+	117
880-48120-8	SW-82 (5.0')	125	111
880-48120-9	SW-83 (5.0')	117	107
880-48120-10	SW-84 (20')	121	113
880-48120-11	SW-85 (20')	84	70
880-48120-11 MS	SW-85 (20')	106	123
880-48120-11 MSD	SW-85 (20')	110	103
880-48120-12	SW-86 (20')	90	85
880-48120-13	SW-87 (20')	89	79
880-48120-14	SW-88 (20')	94	85
880-48120-15	SW-89 (20')	90	82
880-48120-16	SW-90 (5.0')	84	84
880-48120-17	SW-91 (5.0')	81	84
880-48120-18	CS-3 (15')	83	76
880-48120-19	CS-7 (15')	81	78
880-48120-20	CS-8 (15')	92	92
880-48120-21	CS-9 (15')	145 S1+	90
880-48120-21 MS	CS-9 (15')	135 S1+	91
880-48120-21 MSD	CS-9 (15')	137 S1+	91
880-48120-22	CS-10 (15')	145 S1+	89
880-48120-23	CS-35 (2.25')	141 S1+	89
880-48120-24	CS-358(2.25')	145 S1+	89
880-48120-25	CS-63 (5.0')	148 S1+	90
880-48120-26	CS-64 (20')	149 S1+	90
880-48120-27	CS-65 (20')	147 S1+	89
LCS 880-90270/1-A	Lab Control Sample	108	96
LCS 880-90271/1-A	Lab Control Sample	135 S1+	90
LCS 880-90274/1-A	Lab Control Sample	107	123
LCSD 880-90270/2-A	Lab Control Sample Dup	113	100
LCSD 880-90271/2-A	Lab Control Sample Dup	133 S1+	90
LCSD 880-90274/2-A	Lab Control Sample Dup	106	107
MB 880-90270/5-A	Method Blank	149 S1+	100
MB 880-90271/5-A	Method Blank	138 S1+	86
MB 880-90274/5-A	Method Blank	70	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-48120-1	SW-10 (15')	110	104										
880-48120-1 MS	SW-10 (15')	105	104										
880-48120-1 MSD	SW-10 (15')	103	101										
880-48120-2	SW-11 (15')	124	113										
880-48120-3	SW-12 (4.0')	130	114										
880-48120-4	SW-13 (15')	116	105										
880-48120-5	SW-14 (15')	111	98										
880-48120-6	SW-15 (10')	117	107										
880-48120-7	SW-81 (15')	118	104										
880-48120-8	SW-82 (5.0')	124	113										
880-48120-9	SW-83 (5.0')	126	115										
880-48120-10	SW-84 (20')	112	101										
880-48120-11	SW-85 (20')	106	94										
880-48120-12	SW-86 (20')	112	103										
880-48120-13	SW-87 (20')	109	99										
880-48120-14	SW-88 (20')	111	99										
880-48120-15	SW-89 (20')	110	99										
880-48120-16	SW-90 (5.0')	131 S1+	129										
880-48120-17	SW-91 (5.0')	135 S1+	137 S1+										
880-48120-17 MS	SW-91 (5.0')	127	136 S1+										
880-48120-17 MSD	SW-91 (5.0')	123	133 S1+										
880-48120-18	CS-3 (15')	121	118										
880-48120-19	CS-7 (15')	136 S1+	137 S1+										
880-48120-20	CS-8 (15')	135 S1+	138 S1+										
880-48120-21	CS-9 (15')	117	118										
880-48120-22	CS-10 (15')	140 S1+	145 S1+										
880-48120-23	CS-35 (2.25')	135 S1+	131 S1+										
880-48120-24	CS-358(2.25')	131 S1+	127										
880-48120-25	CS-63 (5.0')	133 S1+	135 S1+										
880-48120-26	CS-64 (20')	143 S1+	144 S1+										
880-48120-27	CS-65 (20')	121	120										
LCS 880-90259/2-A	Lab Control Sample	133 S1+	136 S1+										
LCS 880-90261/2-A	Lab Control Sample	144 S1+	160 S1+										
LCSD 880-90259/3-A	Lab Control Sample Dup	122	123										
LCSD 880-90261/3-A	Lab Control Sample Dup	145 S1+	165 S1+										
MB 880-90259/1-A	Method Blank	87	82										
MB 880-90261/1-A	Method Blank	140 S1+	143 S1+										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-90270/5-A
Matrix: Solid
Analysis Batch: 90267

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90270

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 12:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 12:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 12:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/09/24 09:23	09/09/24 12:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:23	09/09/24 12:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/09/24 09:23	09/09/24 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*09/09/24 09:23*	*09/09/24 12:42*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/09/24 09:23*	*09/09/24 12:42*	*1*

Lab Sample ID: LCS 880-90270/1-A
Matrix: Solid
Analysis Batch: 90267

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90270

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09700		mg/Kg		97	70 - 130		
Toluene			0.100	0.09259		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.09420		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.2155		mg/Kg		108	70 - 130		
o-Xylene			0.100	0.1037		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-90270/2-A
Matrix: Solid
Analysis Batch: 90267

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 90270

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09977		mg/Kg		100	70 - 130	3	35
Toluene			0.100	0.09176		mg/Kg		92	70 - 130	1	35
Ethylbenzene			0.100	0.09604		mg/Kg		96	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2126		mg/Kg		106	70 - 130	1	35
o-Xylene			0.100	0.1119		mg/Kg		112	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-48120-1 MS
Matrix: Solid
Analysis Batch: 90267

Client Sample ID: SW-10 (15')
Prep Type: Total/NA
Prep Batch: 90270

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.09564		mg/Kg		96	70 - 130		
Toluene	<0.00201	U	0.100	0.08772		mg/Kg		88	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

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

Lab Sample ID: 880-48120-1 MS
Matrix: Solid
Analysis Batch: 90267

Client Sample ID: SW-10 (15')
Prep Type: Total/NA
Prep Batch: 90270

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09619		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2286		mg/Kg		114	70 - 130
o-Xylene	<0.00201	U	0.100	0.1033		mg/Kg		103	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-48120-1 MSD
Matrix: Solid
Analysis Batch: 90267

Client Sample ID: SW-10 (15')
Prep Type: Total/NA
Prep Batch: 90270

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09502		mg/Kg		95	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.08853		mg/Kg		89	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.1093		mg/Kg		109	70 - 130	13	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2307		mg/Kg		115	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.1051		mg/Kg		105	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-90271/5-A
Matrix: Solid
Analysis Batch: 90264

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90271

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:25	09/09/24 12:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:25	09/09/24 12:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:25	09/09/24 12:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/09/24 09:25	09/09/24 12:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:25	09/09/24 12:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/09/24 09:25	09/09/24 12:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*09/09/24 09:25*	*09/09/24 12:34*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*09/09/24 09:25*	*09/09/24 12:34*	*1*

Lab Sample ID: LCS 880-90271/1-A
Matrix: Solid
Analysis Batch: 90264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90271

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1276		mg/Kg		128	70 - 130
Toluene	0.100	0.1240		mg/Kg		124	70 - 130
Ethylbenzene	0.100	0.1265		mg/Kg		126	70 - 130
m-Xylene & p-Xylene	0.200	0.2523		mg/Kg		126	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-90271/1-A
Matrix: Solid
Analysis Batch: 90264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90271

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1247		mg/Kg		125	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-90271/2-A
Matrix: Solid
Analysis Batch: 90264

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 90271

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1208		mg/Kg		121	70 - 130	5	35
Toluene			0.100	0.1175		mg/Kg		118	70 - 130	5	35
Ethylbenzene			0.100	0.1198		mg/Kg		120	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2391		mg/Kg		120	70 - 130	5	35
o-Xylene			0.100	0.1185		mg/Kg		118	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-48120-21 MS
Matrix: Solid
Analysis Batch: 90264

Client Sample ID: CS-9 (15')
Prep Type: Total/NA
Prep Batch: 90271

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.1248		mg/Kg		125	70 - 130		
Toluene	<0.00201	U	0.100	0.1217		mg/Kg		122	70 - 130		
Ethylbenzene	<0.00201	U	0.100	0.1247		mg/Kg		125	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2489		mg/Kg		124	70 - 130		
o-Xylene	<0.00201	U	0.100	0.1236		mg/Kg		124	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 880-48120-21 MSD
Matrix: Solid
Analysis Batch: 90264

Client Sample ID: CS-9 (15')
Prep Type: Total/NA
Prep Batch: 90271

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1253		mg/Kg		125	70 - 130	0	35
Toluene	<0.00201	U	0.100	0.1222		mg/Kg		122	70 - 130	0	35
Ethylbenzene	<0.00201	U	0.100	0.1252		mg/Kg		125	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2493		mg/Kg		125	70 - 130	0	35
o-Xylene	<0.00201	U	0.100	0.1240		mg/Kg		124	70 - 130	0	35

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

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

Lab Sample ID: 880-48120-21 MSD
Matrix: Solid
Analysis Batch: 90264

Client Sample ID: CS-9 (15')
Prep Type: Total/NA
Prep Batch: 90271

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-90274/5-A
Matrix: Solid
Analysis Batch: 90266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90274

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 12:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 12:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 12:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/09/24 09:28	09/09/24 12:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/24 09:28	09/09/24 12:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/09/24 09:28	09/09/24 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	09/09/24 09:28	09/09/24 12:05	1
1,4-Difluorobenzene (Surr)	96		70 - 130	09/09/24 09:28	09/09/24 12:05	1

Lab Sample ID: LCS 880-90274/1-A
Matrix: Solid
Analysis Batch: 90266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90274

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1141		mg/Kg		114	70 - 130		
Toluene			0.100	0.1048		mg/Kg		105	70 - 130		
Ethylbenzene			0.100	0.1190		mg/Kg		119	70 - 130		
m-Xylene & p-Xylene			0.200	0.2360		mg/Kg		118	70 - 130		
o-Xylene			0.100	0.1153		mg/Kg		115	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	123		70 - 130

Lab Sample ID: LCSD 880-90274/2-A
Matrix: Solid
Analysis Batch: 90266

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 90274

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1115		mg/Kg		111	70 - 130	2	35
Toluene			0.100	0.1039		mg/Kg		104	70 - 130	1	35
Ethylbenzene			0.100	0.1148		mg/Kg		115	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2272		mg/Kg		114	70 - 130	4	35
o-Xylene			0.100	0.1113		mg/Kg		111	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-90274/2-A
Matrix: Solid
Analysis Batch: 90266

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 90274

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-48120-11 MS
Matrix: Solid
Analysis Batch: 90266

Client Sample ID: SW-85 (20')
Prep Type: Total/NA
Prep Batch: 90274

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1270		mg/Kg		127	70 - 130
Toluene	<0.00201	U	0.100	0.1181		mg/Kg		118	70 - 130
Ethylbenzene	<0.00201	U F1	0.100	0.1342	F1	mg/Kg		134	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.2664	F1	mg/Kg		133	70 - 130
o-Xylene	<0.00201	U	0.100	0.1304		mg/Kg		130	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	123		70 - 130

Lab Sample ID: 880-48120-11 MSD
Matrix: Solid
Analysis Batch: 90266

Client Sample ID: SW-85 (20')
Prep Type: Total/NA
Prep Batch: 90274

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1285		mg/Kg		129	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.1178		mg/Kg		118	70 - 130	0	35
Ethylbenzene	<0.00201	U F1	0.100	0.1180		mg/Kg		118	70 - 130	13	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.2314		mg/Kg		116	70 - 130	14	35
o-Xylene	<0.00201	U	0.100	0.1157		mg/Kg		116	70 - 130	12	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-90259/1-A
Matrix: Solid
Analysis Batch: 90275

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/09/24 08:19	09/09/24 10:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/09/24 08:19	09/09/24 10:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/24 08:19	09/09/24 10:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	09/09/24 08:19	09/09/24 10:09	1
o-Terphenyl	82		70 - 130	09/09/24 08:19	09/09/24 10:09	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-90259/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 90275 — **Prep Batch: 90259**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1376	*+	mg/Kg		138	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1309	*+	mg/Kg		131	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*133*	*S1+*	*70 - 130*
o-Terphenyl	*136*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-90259/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 90275 — **Prep Batch: 90259**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1295		mg/Kg		130	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1207		mg/Kg		121	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*122*		*70 - 130*
o-Terphenyl	*123*		*70 - 130*

Lab Sample ID: 880-48120-1 MS — **Client Sample ID: SW-10 (15')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 90275 — **Prep Batch: 90259**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	996	950.7		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *+	996	862.1		mg/Kg		84	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 880-48120-1 MSD — **Client Sample ID: SW-10 (15')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 90275 — **Prep Batch: 90259**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	996	923.0		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U *+	996	837.2		mg/Kg		81	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

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

Lab Sample ID: 880-48120-1 MSD
Matrix: Solid
Analysis Batch: 90275

Client Sample ID: SW-10 (15')
Prep Type: Total/NA
Prep Batch: 90259

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	101		70 - 130

Lab Sample ID: MB 880-90261/1-A
Matrix: Solid
Analysis Batch: 90272

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90261

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 10:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 10:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/24 08:23	09/09/24 10:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130	09/09/24 08:23	09/09/24 10:09	1
o-Terphenyl	143	S1+	70 - 130	09/09/24 08:23	09/09/24 10:09	1

Lab Sample ID: LCS 880-90261/2-A
Matrix: Solid
Analysis Batch: 90272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90261

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1150		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1232		mg/Kg		123	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	144	S1+	70 - 130
o-Terphenyl	160	S1+	70 - 130

Lab Sample ID: LCSD 880-90261/3-A
Matrix: Solid
Analysis Batch: 90272

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 90261

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1139		mg/Kg		114	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1254		mg/Kg		125	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	145	S1+	70 - 130
o-Terphenyl	165	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

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

Lab Sample ID: 880-48120-17 MS
Matrix: Solid
Analysis Batch: 90272

Client Sample ID: SW-91 (5.0')
Prep Type: Total/NA
Prep Batch: 90261

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1016		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1030		mg/Kg		101	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*127*		*70 - 130*
o-Terphenyl	*136*	*S1+*	*70 - 130*

Lab Sample ID: 880-48120-17 MSD
Matrix: Solid
Analysis Batch: 90272

Client Sample ID: SW-91 (5.0')
Prep Type: Total/NA
Prep Batch: 90261

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	978.3		mg/Kg		98	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	990.8		mg/Kg		97	70 - 130	4	20

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-90262/1-A
Matrix: Solid
Analysis Batch: 90269

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.00	U	1.00		mg/Kg			09/09/24 10:15	1

Lab Sample ID: LCS 880-90262/2-A
Matrix: Solid
Analysis Batch: 90269

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.30		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-90262/3-A
Matrix: Solid
Analysis Batch: 90269

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	50.0	47.32		mg/Kg		95	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-48120-1 MS — **Client Sample ID: SW-10 (15')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 90269

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	177		248	416.0		mg/Kg		96	90 - 110

Lab Sample ID: 880-48120-1 MSD — **Client Sample ID: SW-10 (15')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 90269

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	177		248	416.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-48120-11 MS — **Client Sample ID: SW-85 (20')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 90269

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	22.1		50.4	69.99		mg/Kg		95	90 - 110

Lab Sample ID: 880-48120-11 MSD — **Client Sample ID: SW-85 (20')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 90269

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	22.1		50.4	69.95		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-90268/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 90284

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/09/24 12:32	1

Lab Sample ID: LCS 880-90268/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 90284

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	227.3		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-90268/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 90284

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	225.8		mg/Kg		90	90 - 110	1	20

Lab Sample ID: 880-48120-21 MS — **Client Sample ID: CS-9 (15')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 90284

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<4.97	U F1	249	224.1	F1	mg/Kg		89	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-48120-21 MSD
Matrix: Solid
Analysis Batch: 90284

Client Sample ID: CS-9 (15')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<4.97	U F1	249	225.6		mg/Kg		90	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 90264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-21	CS-9 (15')	Total/NA	Solid	8021B	90271
880-48120-22	CS-10 (15')	Total/NA	Solid	8021B	90271
880-48120-23	CS-35 (2.25')	Total/NA	Solid	8021B	90271
880-48120-24	CS-358(2.25')	Total/NA	Solid	8021B	90271
880-48120-25	CS-63 (5.0')	Total/NA	Solid	8021B	90271
880-48120-26	CS-64 (20')	Total/NA	Solid	8021B	90271
880-48120-27	CS-65 (20')	Total/NA	Solid	8021B	90271
MB 880-90271/5-A	Method Blank	Total/NA	Solid	8021B	90271
LCS 880-90271/1-A	Lab Control Sample	Total/NA	Solid	8021B	90271
LCSD 880-90271/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	90271
880-48120-21 MS	CS-9 (15')	Total/NA	Solid	8021B	90271
880-48120-21 MSD	CS-9 (15')	Total/NA	Solid	8021B	90271

Analysis Batch: 90266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-11	SW-85 (20')	Total/NA	Solid	8021B	90274
880-48120-12	SW-86 (20')	Total/NA	Solid	8021B	90274
880-48120-13	SW-87 (20')	Total/NA	Solid	8021B	90274
880-48120-14	SW-88 (20')	Total/NA	Solid	8021B	90274
880-48120-15	SW-89 (20')	Total/NA	Solid	8021B	90274
880-48120-16	SW-90 (5.0')	Total/NA	Solid	8021B	90274
880-48120-17	SW-91 (5.0')	Total/NA	Solid	8021B	90274
880-48120-18	CS-3 (15')	Total/NA	Solid	8021B	90274
880-48120-19	CS-7 (15')	Total/NA	Solid	8021B	90274
880-48120-20	CS-8 (15')	Total/NA	Solid	8021B	90274
MB 880-90274/5-A	Method Blank	Total/NA	Solid	8021B	90274
LCS 880-90274/1-A	Lab Control Sample	Total/NA	Solid	8021B	90274
LCSD 880-90274/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	90274
880-48120-11 MS	SW-85 (20')	Total/NA	Solid	8021B	90274
880-48120-11 MSD	SW-85 (20')	Total/NA	Solid	8021B	90274

Analysis Batch: 90267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-1	SW-10 (15')	Total/NA	Solid	8021B	90270
880-48120-2	SW-11 (15')	Total/NA	Solid	8021B	90270
880-48120-3	SW-12 (4.0')	Total/NA	Solid	8021B	90270
880-48120-4	SW-13 (15')	Total/NA	Solid	8021B	90270
880-48120-5	SW-14 (15')	Total/NA	Solid	8021B	90270
880-48120-6	SW-15 (10')	Total/NA	Solid	8021B	90270
880-48120-7	SW-81 (15')	Total/NA	Solid	8021B	90270
880-48120-8	SW-82 (5.0')	Total/NA	Solid	8021B	90270
880-48120-9	SW-83 (5.0')	Total/NA	Solid	8021B	90270
880-48120-10	SW-84 (20')	Total/NA	Solid	8021B	90270
MB 880-90270/5-A	Method Blank	Total/NA	Solid	8021B	90270
LCS 880-90270/1-A	Lab Control Sample	Total/NA	Solid	8021B	90270
LCSD 880-90270/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	90270
880-48120-1 MS	SW-10 (15')	Total/NA	Solid	8021B	90270
880-48120-1 MSD	SW-10 (15')	Total/NA	Solid	8021B	90270

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

GC VOA

Prep Batch: 90270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-1	SW-10 (15')	Total/NA	Solid	5035	
880-48120-2	SW-11 (15')	Total/NA	Solid	5035	
880-48120-3	SW-12 (4.0')	Total/NA	Solid	5035	
880-48120-4	SW-13 (15')	Total/NA	Solid	5035	
880-48120-5	SW-14 (15')	Total/NA	Solid	5035	
880-48120-6	SW-15 (10')	Total/NA	Solid	5035	
880-48120-7	SW-81 (15')	Total/NA	Solid	5035	
880-48120-8	SW-82 (5.0')	Total/NA	Solid	5035	
880-48120-9	SW-83 (5.0')	Total/NA	Solid	5035	
880-48120-10	SW-84 (20')	Total/NA	Solid	5035	
MB 880-90270/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-90270/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-90270/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48120-1 MS	SW-10 (15')	Total/NA	Solid	5035	
880-48120-1 MSD	SW-10 (15')	Total/NA	Solid	5035	

Prep Batch: 90271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-21	CS-9 (15')	Total/NA	Solid	5035	
880-48120-22	CS-10 (15')	Total/NA	Solid	5035	
880-48120-23	CS-35 (2.25')	Total/NA	Solid	5035	
880-48120-24	CS-358(2.25')	Total/NA	Solid	5035	
880-48120-25	CS-63 (5.0')	Total/NA	Solid	5035	
880-48120-26	CS-64 (20')	Total/NA	Solid	5035	
880-48120-27	CS-65 (20')	Total/NA	Solid	5035	
MB 880-90271/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-90271/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-90271/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48120-21 MS	CS-9 (15')	Total/NA	Solid	5035	
880-48120-21 MSD	CS-9 (15')	Total/NA	Solid	5035	

Prep Batch: 90274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-11	SW-85 (20')	Total/NA	Solid	5035	
880-48120-12	SW-86 (20')	Total/NA	Solid	5035	
880-48120-13	SW-87 (20')	Total/NA	Solid	5035	
880-48120-14	SW-88 (20')	Total/NA	Solid	5035	
880-48120-15	SW-89 (20')	Total/NA	Solid	5035	
880-48120-16	SW-90 (5.0')	Total/NA	Solid	5035	
880-48120-17	SW-91 (5.0')	Total/NA	Solid	5035	
880-48120-18	CS-3 (15')	Total/NA	Solid	5035	
880-48120-19	CS-7 (15')	Total/NA	Solid	5035	
880-48120-20	CS-8 (15')	Total/NA	Solid	5035	
MB 880-90274/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-90274/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-90274/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48120-11 MS	SW-85 (20')	Total/NA	Solid	5035	
880-48120-11 MSD	SW-85 (20')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 90347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-1	SW-10 (15')	Total/NA	Solid	Total BTEX	
880-48120-2	SW-11 (15')	Total/NA	Solid	Total BTEX	
880-48120-3	SW-12 (4.0')	Total/NA	Solid	Total BTEX	
880-48120-4	SW-13 (15')	Total/NA	Solid	Total BTEX	
880-48120-5	SW-14 (15')	Total/NA	Solid	Total BTEX	
880-48120-6	SW-15 (10')	Total/NA	Solid	Total BTEX	
880-48120-7	SW-81 (15')	Total/NA	Solid	Total BTEX	
880-48120-8	SW-82 (5.0')	Total/NA	Solid	Total BTEX	
880-48120-9	SW-83 (5.0')	Total/NA	Solid	Total BTEX	
880-48120-10	SW-84 (20')	Total/NA	Solid	Total BTEX	
880-48120-11	SW-85 (20')	Total/NA	Solid	Total BTEX	
880-48120-12	SW-86 (20')	Total/NA	Solid	Total BTEX	
880-48120-13	SW-87 (20')	Total/NA	Solid	Total BTEX	
880-48120-14	SW-88 (20')	Total/NA	Solid	Total BTEX	
880-48120-15	SW-89 (20')	Total/NA	Solid	Total BTEX	
880-48120-16	SW-90 (5.0')	Total/NA	Solid	Total BTEX	
880-48120-17	SW-91 (5.0')	Total/NA	Solid	Total BTEX	
880-48120-18	CS-3 (15')	Total/NA	Solid	Total BTEX	
880-48120-19	CS-7 (15')	Total/NA	Solid	Total BTEX	
880-48120-20	CS-8 (15')	Total/NA	Solid	Total BTEX	
880-48120-21	CS-9 (15')	Total/NA	Solid	Total BTEX	
880-48120-22	CS-10 (15')	Total/NA	Solid	Total BTEX	
880-48120-23	CS-35 (2.25')	Total/NA	Solid	Total BTEX	
880-48120-24	CS-358(2.25')	Total/NA	Solid	Total BTEX	
880-48120-25	CS-63 (5.0')	Total/NA	Solid	Total BTEX	
880-48120-26	CS-64 (20')	Total/NA	Solid	Total BTEX	
880-48120-27	CS-65 (20')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 90259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-1	SW-10 (15')	Total/NA	Solid	8015NM Prep	
880-48120-2	SW-11 (15')	Total/NA	Solid	8015NM Prep	
880-48120-3	SW-12 (4.0')	Total/NA	Solid	8015NM Prep	
880-48120-4	SW-13 (15')	Total/NA	Solid	8015NM Prep	
880-48120-5	SW-14 (15')	Total/NA	Solid	8015NM Prep	
880-48120-6	SW-15 (10')	Total/NA	Solid	8015NM Prep	
880-48120-7	SW-81 (15')	Total/NA	Solid	8015NM Prep	
880-48120-8	SW-82 (5.0')	Total/NA	Solid	8015NM Prep	
880-48120-9	SW-83 (5.0')	Total/NA	Solid	8015NM Prep	
880-48120-10	SW-84 (20')	Total/NA	Solid	8015NM Prep	
880-48120-11	SW-85 (20')	Total/NA	Solid	8015NM Prep	
880-48120-12	SW-86 (20')	Total/NA	Solid	8015NM Prep	
880-48120-13	SW-87 (20')	Total/NA	Solid	8015NM Prep	
880-48120-14	SW-88 (20')	Total/NA	Solid	8015NM Prep	
880-48120-15	SW-89 (20')	Total/NA	Solid	8015NM Prep	
880-48120-16	SW-90 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-90259/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-90259/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-90259/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 90259 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-1 MS	SW-10 (15')	Total/NA	Solid	8015NM Prep	
880-48120-1 MSD	SW-10 (15')	Total/NA	Solid	8015NM Prep	

Prep Batch: 90261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-17	SW-91 (5.0')	Total/NA	Solid	8015NM Prep	
880-48120-18	CS-3 (15')	Total/NA	Solid	8015NM Prep	
880-48120-19	CS-7 (15')	Total/NA	Solid	8015NM Prep	
880-48120-20	CS-8 (15')	Total/NA	Solid	8015NM Prep	
880-48120-21	CS-9 (15')	Total/NA	Solid	8015NM Prep	
880-48120-22	CS-10 (15')	Total/NA	Solid	8015NM Prep	
880-48120-23	CS-35 (2.25')	Total/NA	Solid	8015NM Prep	
880-48120-24	CS-358(2.25')	Total/NA	Solid	8015NM Prep	
880-48120-25	CS-63 (5.0')	Total/NA	Solid	8015NM Prep	
880-48120-26	CS-64 (20')	Total/NA	Solid	8015NM Prep	
880-48120-27	CS-65 (20')	Total/NA	Solid	8015NM Prep	
MB 880-90261/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-90261/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-90261/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48120-17 MS	SW-91 (5.0')	Total/NA	Solid	8015NM Prep	
880-48120-17 MSD	SW-91 (5.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 90272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-17	SW-91 (5.0')	Total/NA	Solid	8015B NM	90261
880-48120-18	CS-3 (15')	Total/NA	Solid	8015B NM	90261
880-48120-19	CS-7 (15')	Total/NA	Solid	8015B NM	90261
880-48120-20	CS-8 (15')	Total/NA	Solid	8015B NM	90261
880-48120-21	CS-9 (15')	Total/NA	Solid	8015B NM	90261
880-48120-22	CS-10 (15')	Total/NA	Solid	8015B NM	90261
880-48120-23	CS-35 (2.25')	Total/NA	Solid	8015B NM	90261
880-48120-24	CS-358(2.25')	Total/NA	Solid	8015B NM	90261
880-48120-25	CS-63 (5.0')	Total/NA	Solid	8015B NM	90261
880-48120-26	CS-64 (20')	Total/NA	Solid	8015B NM	90261
880-48120-27	CS-65 (20')	Total/NA	Solid	8015B NM	90261
MB 880-90261/1-A	Method Blank	Total/NA	Solid	8015B NM	90261
LCS 880-90261/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	90261
LCSD 880-90261/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	90261
880-48120-17 MS	SW-91 (5.0')	Total/NA	Solid	8015B NM	90261
880-48120-17 MSD	SW-91 (5.0')	Total/NA	Solid	8015B NM	90261

Analysis Batch: 90275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-1	SW-10 (15')	Total/NA	Solid	8015B NM	90259
880-48120-2	SW-11 (15')	Total/NA	Solid	8015B NM	90259
880-48120-3	SW-12 (4.0')	Total/NA	Solid	8015B NM	90259
880-48120-4	SW-13 (15')	Total/NA	Solid	8015B NM	90259
880-48120-5	SW-14 (15')	Total/NA	Solid	8015B NM	90259
880-48120-6	SW-15 (10')	Total/NA	Solid	8015B NM	90259
880-48120-7	SW-81 (15')	Total/NA	Solid	8015B NM	90259
880-48120-8	SW-82 (5.0')	Total/NA	Solid	8015B NM	90259

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 90275 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-9	SW-83 (5.0')	Total/NA	Solid	8015B NM	90259
880-48120-10	SW-84 (20')	Total/NA	Solid	8015B NM	90259
880-48120-11	SW-85 (20')	Total/NA	Solid	8015B NM	90259
880-48120-12	SW-86 (20')	Total/NA	Solid	8015B NM	90259
880-48120-13	SW-87 (20')	Total/NA	Solid	8015B NM	90259
880-48120-14	SW-88 (20')	Total/NA	Solid	8015B NM	90259
880-48120-15	SW-89 (20')	Total/NA	Solid	8015B NM	90259
880-48120-16	SW-90 (5.0')	Total/NA	Solid	8015B NM	90259
MB 880-90259/1-A	Method Blank	Total/NA	Solid	8015B NM	90259
LCS 880-90259/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	90259
LCSD 880-90259/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	90259
880-48120-1 MS	SW-10 (15')	Total/NA	Solid	8015B NM	90259
880-48120-1 MSD	SW-10 (15')	Total/NA	Solid	8015B NM	90259

Analysis Batch: 90324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-1	SW-10 (15')	Total/NA	Solid	8015 NM	
880-48120-2	SW-11 (15')	Total/NA	Solid	8015 NM	
880-48120-3	SW-12 (4.0')	Total/NA	Solid	8015 NM	
880-48120-4	SW-13 (15')	Total/NA	Solid	8015 NM	
880-48120-5	SW-14 (15')	Total/NA	Solid	8015 NM	
880-48120-6	SW-15 (10')	Total/NA	Solid	8015 NM	
880-48120-7	SW-81 (15')	Total/NA	Solid	8015 NM	
880-48120-8	SW-82 (5.0')	Total/NA	Solid	8015 NM	
880-48120-9	SW-83 (5.0')	Total/NA	Solid	8015 NM	
880-48120-10	SW-84 (20')	Total/NA	Solid	8015 NM	
880-48120-11	SW-85 (20')	Total/NA	Solid	8015 NM	
880-48120-12	SW-86 (20')	Total/NA	Solid	8015 NM	
880-48120-13	SW-87 (20')	Total/NA	Solid	8015 NM	
880-48120-14	SW-88 (20')	Total/NA	Solid	8015 NM	
880-48120-15	SW-89 (20')	Total/NA	Solid	8015 NM	
880-48120-16	SW-90 (5.0')	Total/NA	Solid	8015 NM	
880-48120-17	SW-91 (5.0')	Total/NA	Solid	8015 NM	
880-48120-18	CS-3 (15')	Total/NA	Solid	8015 NM	
880-48120-19	CS-7 (15')	Total/NA	Solid	8015 NM	
880-48120-20	CS-8 (15')	Total/NA	Solid	8015 NM	
880-48120-21	CS-9 (15')	Total/NA	Solid	8015 NM	
880-48120-22	CS-10 (15')	Total/NA	Solid	8015 NM	
880-48120-23	CS-35 (2.25')	Total/NA	Solid	8015 NM	
880-48120-24	CS-358(2.25')	Total/NA	Solid	8015 NM	
880-48120-25	CS-63 (5.0')	Total/NA	Solid	8015 NM	
880-48120-26	CS-64 (20')	Total/NA	Solid	8015 NM	
880-48120-27	CS-65 (20')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 90262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-1	SW-10 (15')	Soluble	Solid	DI Leach	
880-48120-2	SW-11 (15')	Soluble	Solid	DI Leach	
880-48120-3	SW-12 (4.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 90262 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-4	SW-13 (15')	Soluble	Solid	DI Leach	
880-48120-5	SW-14 (15')	Soluble	Solid	DI Leach	
880-48120-6	SW-15 (10')	Soluble	Solid	DI Leach	
880-48120-7	SW-81 (15')	Soluble	Solid	DI Leach	
880-48120-8	SW-82 (5.0')	Soluble	Solid	DI Leach	
880-48120-9	SW-83 (5.0')	Soluble	Solid	DI Leach	
880-48120-10	SW-84 (20')	Soluble	Solid	DI Leach	
880-48120-11	SW-85 (20')	Soluble	Solid	DI Leach	
880-48120-12	SW-86 (20')	Soluble	Solid	DI Leach	
880-48120-13	SW-87 (20')	Soluble	Solid	DI Leach	
880-48120-14	SW-88 (20')	Soluble	Solid	DI Leach	
880-48120-15	SW-89 (20')	Soluble	Solid	DI Leach	
880-48120-16	SW-90 (5.0')	Soluble	Solid	DI Leach	
880-48120-17	SW-91 (5.0')	Soluble	Solid	DI Leach	
880-48120-18	CS-3 (15')	Soluble	Solid	DI Leach	
880-48120-19	CS-7 (15')	Soluble	Solid	DI Leach	
880-48120-20	CS-8 (15')	Soluble	Solid	DI Leach	
MB 880-90262/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-90262/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-90262/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48120-1 MS	SW-10 (15')	Soluble	Solid	DI Leach	
880-48120-1 MSD	SW-10 (15')	Soluble	Solid	DI Leach	
880-48120-11 MS	SW-85 (20')	Soluble	Solid	DI Leach	
880-48120-11 MSD	SW-85 (20')	Soluble	Solid	DI Leach	

Leach Batch: 90268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-21	CS-9 (15')	Soluble	Solid	DI Leach	
880-48120-22	CS-10 (15')	Soluble	Solid	DI Leach	
880-48120-23	CS-35 (2.25')	Soluble	Solid	DI Leach	
880-48120-24	CS-358(2.25')	Soluble	Solid	DI Leach	
880-48120-25	CS-63 (5.0')	Soluble	Solid	DI Leach	
880-48120-26	CS-64 (20')	Soluble	Solid	DI Leach	
880-48120-27	CS-65 (20')	Soluble	Solid	DI Leach	
MB 880-90268/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-90268/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-90268/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48120-21 MS	CS-9 (15')	Soluble	Solid	DI Leach	
880-48120-21 MSD	CS-9 (15')	Soluble	Solid	DI Leach	

Analysis Batch: 90269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-1	SW-10 (15')	Soluble	Solid	300.0	90262
880-48120-2	SW-11 (15')	Soluble	Solid	300.0	90262
880-48120-3	SW-12 (4.0')	Soluble	Solid	300.0	90262
880-48120-4	SW-13 (15')	Soluble	Solid	300.0	90262
880-48120-5	SW-14 (15')	Soluble	Solid	300.0	90262
880-48120-6	SW-15 (10')	Soluble	Solid	300.0	90262
880-48120-7	SW-81 (15')	Soluble	Solid	300.0	90262
880-48120-8	SW-82 (5.0')	Soluble	Solid	300.0	90262
880-48120-9	SW-83 (5.0')	Soluble	Solid	300.0	90262

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 90269 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-10	SW-84 (20')	Soluble	Solid	300.0	90262
880-48120-11	SW-85 (20')	Soluble	Solid	300.0	90262
880-48120-12	SW-86 (20')	Soluble	Solid	300.0	90262
880-48120-13	SW-87 (20')	Soluble	Solid	300.0	90262
880-48120-14	SW-88 (20')	Soluble	Solid	300.0	90262
880-48120-15	SW-89 (20')	Soluble	Solid	300.0	90262
880-48120-16	SW-90 (5.0')	Soluble	Solid	300.0	90262
880-48120-17	SW-91 (5.0')	Soluble	Solid	300.0	90262
880-48120-18	CS-3 (15')	Soluble	Solid	300.0	90262
880-48120-19	CS-7 (15')	Soluble	Solid	300.0	90262
880-48120-20	CS-8 (15')	Soluble	Solid	300.0	90262
MB 880-90262/1-A	Method Blank	Soluble	Solid	300.0	90262
LCS 880-90262/2-A	Lab Control Sample	Soluble	Solid	300.0	90262
LCSD 880-90262/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	90262
880-48120-1 MS	SW-10 (15')	Soluble	Solid	300.0	90262
880-48120-1 MSD	SW-10 (15')	Soluble	Solid	300.0	90262
880-48120-11 MS	SW-85 (20')	Soluble	Solid	300.0	90262
880-48120-11 MSD	SW-85 (20')	Soluble	Solid	300.0	90262

Analysis Batch: 90284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48120-21	CS-9 (15')	Soluble	Solid	300.0	90268
880-48120-22	CS-10 (15')	Soluble	Solid	300.0	90268
880-48120-23	CS-35 (2.25')	Soluble	Solid	300.0	90268
880-48120-24	CS-358(2.25')	Soluble	Solid	300.0	90268
880-48120-25	CS-63 (5.0')	Soluble	Solid	300.0	90268
880-48120-26	CS-64 (20')	Soluble	Solid	300.0	90268
880-48120-27	CS-65 (20')	Soluble	Solid	300.0	90268
MB 880-90268/1-A	Method Blank	Soluble	Solid	300.0	90268
LCS 880-90268/2-A	Lab Control Sample	Soluble	Solid	300.0	90268
LCSD 880-90268/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	90268
880-48120-21 MS	CS-9 (15')	Soluble	Solid	300.0	90268
880-48120-21 MSD	CS-9 (15')	Soluble	Solid	300.0	90268

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-10 (15')

Lab Sample ID: 880-48120-1
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	90270	09/09/24 09:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90267	09/09/24 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 13:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 12:26	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 12:26	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	90269	09/09/24 10:40	CH	EET MID

Client Sample ID: SW-11 (15')

Lab Sample ID: 880-48120-2
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	90270	09/09/24 09:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90267	09/09/24 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 13:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 13:15	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 13:15	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 11:04	CH	EET MID

Client Sample ID: SW-12 (4.0')

Lab Sample ID: 880-48120-3
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	90270	09/09/24 09:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90267	09/09/24 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 13:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 13:31	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 13:31	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	90269	09/09/24 11:12	CH	EET MID

Client Sample ID: SW-13 (15')

Lab Sample ID: 880-48120-4
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	90270	09/09/24 09:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90267	09/09/24 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 14:12	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-13 (15')

Lab Sample ID: 880-48120-4
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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			90324	09/09/24 13:48	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 13:48	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	90269	09/09/24 11:20	CH	EET MID

Client Sample ID: SW-14 (15')

Lab Sample ID: 880-48120-5
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	90270	09/09/24 09:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90267	09/09/24 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 14:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 14:04	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 14:04	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	90269	09/09/24 11:28	CH	EET MID

Client Sample ID: SW-15 (10')

Lab Sample ID: 880-48120-6
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	90270	09/09/24 09:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90267	09/09/24 14:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 14:20	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 14:20	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	90269	09/09/24 11:53	CH	EET MID

Client Sample ID: SW-81 (15')

Lab Sample ID: 880-48120-7
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	90270	09/09/24 09:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90267	09/09/24 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 14:37	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 14:37	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-81 (15')

Lab Sample ID: 880-48120-7
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 12:01	CH	EET MID

Client Sample ID: SW-82 (5.0')

Lab Sample ID: 880-48120-8
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	90270	09/09/24 09:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90267	09/09/24 15:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 15:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 14:53	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 14:53	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 12:09	CH	EET MID

Client Sample ID: SW-83 (5.0')

Lab Sample ID: 880-48120-9
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	90270	09/09/24 09:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90267	09/09/24 15:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 15:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 15:09	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 15:09	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 12:17	CH	EET MID

Client Sample ID: SW-84 (20')

Lab Sample ID: 880-48120-10
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	90270	09/09/24 09:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90267	09/09/24 16:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 16:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 15:25	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 15:25	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 12:25	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-85 (20')
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

Lab Sample ID: 880-48120-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	90274	09/09/24 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90266	09/09/24 12:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 12:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 15:58	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 15:58	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 12:34	CH	EET MID

Client Sample ID: SW-86 (20')
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

Lab Sample ID: 880-48120-12
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			5.01 g	5 mL	90274	09/09/24 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90266	09/09/24 12:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 12:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 16:14	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 16:14	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 12:58	CH	EET MID

Client Sample ID: SW-87 (20')
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

Lab Sample ID: 880-48120-13
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	90274	09/09/24 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90266	09/09/24 13:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 13:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 16:30	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 16:30	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 13:06	CH	EET MID

Client Sample ID: SW-88 (20')
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

Lab Sample ID: 880-48120-14
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			4.98 g	5 mL	90274	09/09/24 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90266	09/09/24 13:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 13:29	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-88 (20')

Lab Sample ID: 880-48120-14
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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			90324	09/09/24 16:47	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 16:47	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 13:31	CH	EET MID

Client Sample ID: SW-89 (20')

Lab Sample ID: 880-48120-15
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	90274	09/09/24 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90266	09/09/24 13:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 13:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 17:03	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 17:03	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 13:39	CH	EET MID

Client Sample ID: SW-90 (5.0')

Lab Sample ID: 880-48120-16
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	90274	09/09/24 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90266	09/09/24 14:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 14:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 17:20	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	90259	09/09/24 08:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90275	09/09/24 17:20	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 13:47	CH	EET MID

Client Sample ID: SW-91 (5.0')

Lab Sample ID: 880-48120-17
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	90274	09/09/24 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90266	09/09/24 14:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 14:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 12:26	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	90261	09/09/24 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90272	09/09/24 12:26	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: SW-91 (5.0')

Lab Sample ID: 880-48120-17

Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 13:55	CH	EET MID

Client Sample ID: CS-3 (15')

Lab Sample ID: 880-48120-18

Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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	90274	09/09/24 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90266	09/09/24 14:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 14:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 13:15	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	90261	09/09/24 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90272	09/09/24 13:15	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 14:03	CH	EET MID

Client Sample ID: CS-7 (15')

Lab Sample ID: 880-48120-19

Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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	90274	09/09/24 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90266	09/09/24 15:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 15:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 13:31	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	90261	09/09/24 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90272	09/09/24 13:31	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 14:12	CH	EET MID

Client Sample ID: CS-8 (15')

Lab Sample ID: 880-48120-20

Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	90274	09/09/24 09:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90266	09/09/24 15:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 15:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 13:48	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	90261	09/09/24 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90272	09/09/24 13:48	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	10 mL	90262	09/09/24 08:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90269	09/09/24 14:20	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: CS-9 (15')

Lab Sample ID: 880-48120-21

Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	90271	09/09/24 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90264	09/09/24 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 12:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 14:04	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	90261	09/09/24 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90272	09/09/24 14:04	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	90268	09/09/24 09:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90284	09/09/24 14:23	SMC	EET MID

Client Sample ID: CS-10 (15')

Lab Sample ID: 880-48120-22

Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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	90271	09/09/24 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90264	09/09/24 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 13:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 14:20	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	90261	09/09/24 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90272	09/09/24 14:20	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	90268	09/09/24 09:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90284	09/09/24 14:50	SMC	EET MID

Client Sample ID: CS-35 (2.25')

Lab Sample ID: 880-48120-23

Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

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	90271	09/09/24 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90264	09/09/24 13:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 13:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 14:37	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	90261	09/09/24 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90272	09/09/24 14:37	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	90268	09/09/24 09:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90284	09/09/24 15:08	SMC	EET MID

Client Sample ID: CS-358(2.25')

Lab Sample ID: 880-48120-24

Date Collected: 09/05/24 00:00
Matrix: Solid
Date Received: 09/06/24 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	90271	09/09/24 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90264	09/09/24 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 14:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: CS-358(2.25')

Lab Sample ID: 880-48120-24
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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			90324	09/09/24 14:53	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	90261	09/09/24 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90272	09/09/24 14:53	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	90268	09/09/24 09:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90284	09/09/24 15:16	SMC	EET MID

Client Sample ID: CS-63 (5.0')

Lab Sample ID: 880-48120-25
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	90271	09/09/24 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90264	09/09/24 14:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 14:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 15:09	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	90261	09/09/24 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90272	09/09/24 15:09	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	90268	09/09/24 09:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90284	09/09/24 15:25	SMC	EET MID

Client Sample ID: CS-64 (20')

Lab Sample ID: 880-48120-26
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	90271	09/09/24 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90264	09/09/24 15:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 15:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 15:25	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	90261	09/09/24 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90272	09/09/24 15:25	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	90268	09/09/24 09:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90284	09/09/24 15:52	SMC	EET MID

Client Sample ID: CS-65 (20')

Lab Sample ID: 880-48120-27
Matrix: Solid
Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

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	90271	09/09/24 09:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90264	09/09/24 15:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90347	09/09/24 15:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			90324	09/09/24 15:58	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	90261	09/09/24 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90272	09/09/24 15:58	TKC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Client Sample ID: CS-65 (20')

Date Collected: 09/05/24 00:00
Date Received: 09/06/24 16:51

Lab Sample ID: 880-48120-27

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			4.97 g	50 mL	90268	09/09/24 09:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90284	09/09/24 16:01	SMC	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: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48120-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48120-1	SW-10 (15')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-2	SW-11 (15')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-3	SW-12 (4.0')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-4	SW-13 (15')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-5	SW-14 (15')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-6	SW-15 (10')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-7	SW-81 (15')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-8	SW-82 (5.0')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-9	SW-83 (5.0')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-10	SW-84 (20')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-11	SW-85 (20')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-12	SW-86 (20')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-13	SW-87 (20')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-14	SW-88 (20')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-15	SW-89 (20')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-16	SW-90 (5.0')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-17	SW-91 (5.0')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-18	CS-3 (15')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-19	CS-7 (15')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-20	CS-8 (15')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-21	CS-9 (15')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-22	CS-10 (15')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-23	CS-35 (2.25')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-24	CS-358(2.25')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-25	CS-63 (5.0')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-26	CS-64 (20')	Solid	09/05/24 00:00	09/06/24 16:51
880-48120-27	CS-65 (20')	Solid	09/05/24 00:00	09/06/24 16:51

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Chain of Custody

Wor

880-48120 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine	☑ Rush
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.4
Total Containers:		Corrected Temperature:	5.3

ANALYSIS REQUEST

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
SW-10 (15')	8/5/2024		X		C	1		X	X	X		
SW-11 (15')	8/5/2024		X		C	1		X	X	X		
SW-12 (4.0')	8/5/2024		X		C	1		X	X	X		
SW-13 (15')	8/5/2024		X		C	1		X	X	X		
SW-14 (15')	8/5/2024		X		C	1		X	X	X		
SW-15 (10')	8/5/2024		X		C	1		X	X	X		
SW-81 (15')	8/5/2024		X		C	1		X	X	X		
SW-82 (5.0')	8/5/2024		X		C	1		X	X	X		
SW-83 (5.0')	8/5/2024		X		C	1		X	X	X		
SW-84 (20')	8/5/2024		X		C	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9/16/24 1451	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Chain of Custody

Work Order No: 48120

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	☐ Routine ☑ Rush
Project Number:	2362	Due Date:	24 hrs
Project Location	Lea County, NM		
Sampler's Name:	GPJ		
PO #:			

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

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
SW-85 (20')	8/5/2024		X		C	1		X	X	X		
SW-86 (20')	8/5/2024		X		C	1		X	X	X		
SW-87 (20')	8/5/2024		X		C	1		X	X	X		
SW-88 (15')	8/5/2024		X		C	1		X	X	X		
SW-89 (10')	8/5/2024		X		C	1		X	X	X		
SW-90 (5.0')	8/5/2024		X		C	1		X	X	X		
SW-91 (5.0')	8/5/2024		X		C	1		X	X	X		
CS-3 (15')	8/5/2024		X		C	1		X	X	X		
CS-7 (15')	8/5/2024		X		C	1		X	X	X		
CS-8 (15')	8/5/2024		X		C	1		X	X	X		

ANALYSIS REQUEST

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9/9/24 1651	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

9/9/2024

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Chain of Custody

Work Order No: 48120

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	GPJ		
PO #:			

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

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-9 (15')	8/5/2024		X		C	1		X	X	X		
CS-10 (15')	8/5/2024		X		C	1		X	X	X		
CS-35 (2.25')	8/5/2024		X		C	1		X	X	X		
CS-38 (2.25')	8/5/2024		X		C	1		X	X	X		
CS-63 (5.0')	8/5/2024		X		C	1		X	X	X		
CS-64 (20')	8/5/2024		X		C	1		X	X	X		
CS-65 (20')	8/5/2024		X		C	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9/6/24 1651	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Page 61 of 62
9/9/2024
Page 653 of 702

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48120-1
SDG Number: Lea County, NM

Login Number: 48120
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 9/12/2024 12:50:31 PM

JOB DESCRIPTION

Uracas 8 (05.01.2024)
Lea County, NM

JOB NUMBER

880-48241-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 10/22/2024 11:31:47 AM

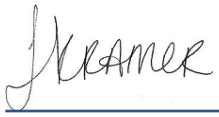
Eurofins Midland

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
9/12/2024 12:50:31 PM

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

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Laboratory Job ID: 880-48241-1
SDG: Lea County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 12
Lab Chronicle 14
Certification Summary 15
Method Summary 16
Sample Summary 17
Chain of Custody 18
Receipt Checklists 19

Definitions/Glossary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48241-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-48241-1

Job ID: 880-48241-1 Eurofins Midland

Job Narrative
880-48241-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The sample was received on 9/11/2024 8:40 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: SW-90 (5.0') (880-48241-1).

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

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48241-1
SDG: Lea County, NM

Client Sample ID: SW-90 (5.0')

Date Collected: 09/10/24 00:00
Date Received: 09/11/24 08:40

Lab Sample ID: 880-48241-1

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		09/11/24 09:20	09/11/24 16:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/11/24 09:20	09/11/24 16:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/11/24 09:20	09/11/24 16:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/11/24 09:20	09/11/24 16:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/11/24 09:20	09/11/24 16:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/11/24 09:20	09/11/24 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/11/24 09:20*	*09/11/24 16:20*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/11/24 09:20*	*09/11/24 16:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/11/24 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/11/24 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/10/24 14:05	09/11/24 17:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/24 14:05	09/11/24 17:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/24 14:05	09/11/24 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*09/10/24 14:05*	*09/11/24 17:00*	*1*
o-Terphenyl	*80*		*70 - 130*	*09/10/24 14:05*	*09/11/24 17:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			09/11/24 12:29	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48241-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-48241-1	SW-90 (5.0')	104	101
890-7077-A-1-F MS	Matrix Spike	101	99
890-7077-A-1-G MSD	Matrix Spike Duplicate	100	98
LCS 880-90440/1-A	Lab Control Sample	100	100
LCSD 880-90440/2-A	Lab Control Sample Dup	103	101
MB 880-90440/5-A	Method Blank	100	96

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-48241-1	SW-90 (5.0')	94	80
890-7077-A-1-B MS	Matrix Spike	88	90
890-7077-A-1-C MSD	Matrix Spike Duplicate	89	88
LCS 880-90411/2-A	Lab Control Sample	102	106
LCSD 880-90411/3-A	Lab Control Sample Dup	102	105
MB 880-90411/1-A	Method Blank	125	115

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48241-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-90440/5-A
Matrix: Solid
Analysis Batch: 90476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90440

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/10/24 15:45	09/11/24 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/24 15:45	09/11/24 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/24 15:45	09/11/24 11:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/10/24 15:45	09/11/24 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/24 15:45	09/11/24 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/10/24 15:45	09/11/24 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*09/10/24 15:45*	*09/11/24 11:32*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/10/24 15:45*	*09/11/24 11:32*	*1*

Lab Sample ID: LCS 880-90440/1-A
Matrix: Solid
Analysis Batch: 90476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90440

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09901		mg/Kg		99	70 - 130		
Toluene			0.100	0.09461		mg/Kg		95	70 - 130		
Ethylbenzene			0.100	0.09454		mg/Kg		95	70 - 130		
m-Xylene & p-Xylene			0.200	0.1985		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.09887		mg/Kg		99	70 - 130		

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

Lab Sample ID: LCSD 880-90440/2-A
Matrix: Solid
Analysis Batch: 90476

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 90440

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1006		mg/Kg		101	70 - 130	2	35
Toluene			0.100	0.09549		mg/Kg		95	70 - 130	1	35
Ethylbenzene			0.100	0.09521		mg/Kg		95	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2012		mg/Kg		101	70 - 130	1	35
o-Xylene			0.100	0.1004		mg/Kg		100	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-7077-A-1-F MS
Matrix: Solid
Analysis Batch: 90476

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 90440

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09669		mg/Kg		97	70 - 130		
Toluene	<0.00200	U	0.100	0.09134		mg/Kg		91	70 - 130		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48241-1
SDG: Lea County, NM

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

Lab Sample ID: 890-7077-A-1-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 90476 — **Prep Batch: 90440**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09168		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1948		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.100	0.09758		mg/Kg		98	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-7077-A-1-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 90476 — **Prep Batch: 90440**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09656		mg/Kg		97	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.09220		mg/Kg		92	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.09123		mg/Kg		91	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1929		mg/Kg		96	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.09664		mg/Kg		97	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-90411/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 90472 — **Prep Batch: 90411**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/10/24 14:05	09/11/24 08:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/24 14:05	09/11/24 08:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/24 14:05	09/11/24 08:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*09/10/24 14:05*	*09/11/24 08:44*	*1*
o-Terphenyl	*115*		*70 - 130*	*09/10/24 14:05*	*09/11/24 08:44*	*1*

Lab Sample ID: LCS 880-90411/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 90472 — **Prep Batch: 90411**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1094		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1055		mg/Kg		106	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48241-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-90411/2-A
Matrix: Solid
Analysis Batch: 90472

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90411

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-90411/3-A
Matrix: Solid
Analysis Batch: 90472

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 90411

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1098		mg/Kg		110	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1058		mg/Kg		106	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 890-7077-A-1-B MS
Matrix: Solid
Analysis Batch: 90472

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 90411

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1023		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	884.6		mg/Kg		89	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 890-7077-A-1-C MSD
Matrix: Solid
Analysis Batch: 90472

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 90411

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1076		mg/Kg		108	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	888.2		mg/Kg		89	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	88		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48241-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-90429/1-A
Matrix: Solid
Analysis Batch: 90485

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/11/24 09:59	1

Lab Sample ID: LCS 880-90429/2-A
Matrix: Solid
Analysis Batch: 90485

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	241.8		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-90429/3-A
Matrix: Solid
Analysis Batch: 90485

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	242.1		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-48241-1 MS
Matrix: Solid
Analysis Batch: 90485

Client Sample ID: SW-90 (5.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<4.99	U	250	234.6		mg/Kg		92	90 - 110		

Lab Sample ID: 880-48241-1 MSD
Matrix: Solid
Analysis Batch: 90485

Client Sample ID: SW-90 (5.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<4.99	U	250	236.1		mg/Kg		93	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48241-1
SDG: Lea County, NM

GC VOA

Prep Batch: 90440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48241-1	SW-90 (5.0')	Total/NA	Solid	5035	
MB 880-90440/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-90440/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-90440/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7077-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
890-7077-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 90476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48241-1	SW-90 (5.0')	Total/NA	Solid	8021B	90440
MB 880-90440/5-A	Method Blank	Total/NA	Solid	8021B	90440
LCS 880-90440/1-A	Lab Control Sample	Total/NA	Solid	8021B	90440
LCSD 880-90440/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	90440
890-7077-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	90440
890-7077-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	90440

Analysis Batch: 90600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48241-1	SW-90 (5.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 90411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48241-1	SW-90 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-90411/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-90411/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-90411/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7077-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7077-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 90472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48241-1	SW-90 (5.0')	Total/NA	Solid	8015B NM	90411
MB 880-90411/1-A	Method Blank	Total/NA	Solid	8015B NM	90411
LCS 880-90411/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	90411
LCSD 880-90411/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	90411
890-7077-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	90411
890-7077-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	90411

Analysis Batch: 90596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48241-1	SW-90 (5.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 90429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48241-1	SW-90 (5.0')	Soluble	Solid	DI Leach	
MB 880-90429/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-90429/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-90429/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48241-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 90429 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48241-1 MS	SW-90 (5.0')	Soluble	Solid	DI Leach	
880-48241-1 MSD	SW-90 (5.0')	Soluble	Solid	DI Leach	

Analysis Batch: 90485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48241-1	SW-90 (5.0')	Soluble	Solid	300.0	90429
MB 880-90429/1-A	Method Blank	Soluble	Solid	300.0	90429
LCS 880-90429/2-A	Lab Control Sample	Soluble	Solid	300.0	90429
LCSD 880-90429/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	90429
880-48241-1 MS	SW-90 (5.0')	Soluble	Solid	300.0	90429
880-48241-1 MSD	SW-90 (5.0')	Soluble	Solid	300.0	90429

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48241-1
SDG: Lea County, NM

Client Sample ID: SW-90 (5.0')

Date Collected: 09/10/24 00:00
Date Received: 09/11/24 08:40

Lab Sample ID: 880-48241-1

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			5.00 g	5 mL	90440	09/11/24 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90476	09/11/24 16:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90600	09/11/24 16:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			90596	09/11/24 17:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	90411	09/10/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90472	09/11/24 17:00	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	90429	09/11/24 10:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90485	09/11/24 12:29	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: Uracas 8 (05.01.2024)

Job ID: 880-48241-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48241-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-48241-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48241-1	SW-90 (5.0')	Solid	09/10/24 00:00	09/11/24 08:40

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Chain of Custody

880-48241 Chain of Custody

Page ___1___ of ___1___

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☐ Routine ☑ Rush	
Project Location	Lea County, NM	Due Date:	24 hrs
Sampler's Name:	JM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR6
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.1
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.1
Total Containers:		Corrected Temperature:	1.0

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
SW-90 (5.0')	9/10/2024		X		C	1		X	X	X	

Parameters

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Comments

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9/4/24 0840	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48241-1
SDG Number: Lea County, NM

Login Number: 48241
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 7/26/2024 9:29:35 AM

JOB DESCRIPTION

Uracas 8 (05.01.2024)
Lea County, NM

JOB NUMBER

880-46259-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 10/22/2024 11:31:47 AM

my EOL

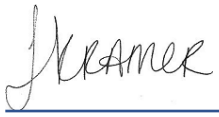
Eurofins Midland

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
7/26/2024 9:29:35 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Laboratory Job ID: 880-46259-1
SDG: Lea County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 8
QC Sample Results 9
QC Association Summary 13
Lab Chronicle 15
Certification Summary 16
Method Summary 17
Sample Summary 18
Chain of Custody 19
Receipt Checklists 20

Definitions/Glossary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46259-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-46259-1

Job ID: 880-46259-1 Eurofins Midland

Job Narrative
880-46259-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 7/22/2024 1:10 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.9°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: Backfill Sample (880-46259-1).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-86154 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: Backfill Sample (880-46259-1), (LCS 880-86289/1-A), (LCSD 880-86289/2-A) and (880-46260-A-11-D). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-86289 and analytical batch 880-86154 recovered outside control limits for the following analytes: Benzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The matrix spike (MS) and/or matrix spike duplicate (MSD) recovery for preparation batch 880-86289 and analytical batch 880-86154 was outside control limits for the following analyte(s): Benzene.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-86226/28). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-86226 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-86323 and analytical batch 880-86226 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The method blank for preparation batch 880-86323 and analytical batch 880-86226 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction and 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.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Uracas 8 (05.01.2024)

Job ID: 880-46259-1

Job ID: 880-46259-1 (Continued)

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46259-1
SDG: Lea County, NM

Client Sample ID: Backfill Sample

Date Collected: 07/18/24 00:00
Date Received: 07/22/24 13:10

Lab Sample ID: 880-46259-1

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		07/22/24 14:35	07/22/24 18:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:35	07/22/24 18:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:35	07/22/24 18:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/24 14:35	07/22/24 18:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/24 14:35	07/22/24 18:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/24 14:35	07/22/24 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*07/22/24 14:35*	*07/22/24 18:26*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/22/24 14:35*	*07/22/24 18:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/24 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	<50.0	U	50.0		mg/Kg			07/23/24 00:41	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		07/22/24 16:39	07/23/24 00:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		07/22/24 16:39	07/23/24 00:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/24 16:39	07/23/24 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*07/22/24 16:39*	*07/23/24 00:41*	*1*
o-Terphenyl	*72*		*70 - 130*	*07/22/24 16:39*	*07/23/24 00:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.39**		4.95		mg/Kg			07/25/24 23:49	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46259-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-46259-1	Backfill Sample	139 S1+	100
880-46260-A-11-B MS	Matrix Spike	120	114
880-46260-A-11-C MSD	Matrix Spike Duplicate	127	112
LCS 880-86289/1-A	Lab Control Sample	133 S1+	122
LCSD 880-86289/2-A	Lab Control Sample Dup	131 S1+	115
MB 880-86289/5-A	Method Blank	130	94

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-46259-1	Backfill Sample	80	72
880-46260-A-4-D MS	Matrix Spike	94	76
880-46260-A-4-E MSD	Matrix Spike Duplicate	94	75
LCS 880-86323/2-A	Lab Control Sample	96	80
LCSD 880-86323/3-A	Lab Control Sample Dup	127	107
MB 880-86323/1-A	Method Blank	97	91

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46259-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-86289/5-A
Matrix: Solid
Analysis Batch: 86154

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:35	07/22/24 16:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:35	07/22/24 16:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:35	07/22/24 16:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/22/24 14:35	07/22/24 16:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/22/24 14:35	07/22/24 16:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/22/24 14:35	07/22/24 16:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*07/22/24 14:35*	*07/22/24 16:02*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*07/22/24 14:35*	*07/22/24 16:02*	*1*

Lab Sample ID: LCS 880-86289/1-A
Matrix: Solid
Analysis Batch: 86154

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1601	*+	mg/Kg		160	70 - 130
Toluene	0.100	0.1047		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1214		mg/Kg		121	70 - 130
m-Xylene & p-Xylene	0.200	0.2086		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1014		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*

Lab Sample ID: LCSD 880-86289/2-A
Matrix: Solid
Analysis Batch: 86154

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86289

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1542	*+	mg/Kg		154	70 - 130	4	35
Toluene	0.100	0.1019		mg/Kg		102	70 - 130	3	35
Ethylbenzene	0.100	0.1177		mg/Kg		118	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2018		mg/Kg		101	70 - 130	3	35
o-Xylene	0.100	0.09768		mg/Kg		98	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: 880-46260-A-11-B MS
Matrix: Solid
Analysis Batch: 86154

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 86289

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *+ F1	0.100	0.1555	F1	mg/Kg		155	70 - 130
Toluene	<0.00200	U	0.100	0.1017		mg/Kg		102	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46259-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-46260-A-11-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 86154 — **Prep Batch: 86289**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1169		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2030		mg/Kg		100	70 - 130
o-Xylene	<0.00200	U	0.100	0.09805		mg/Kg		98	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: 880-46260-A-11-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 86154 — **Prep Batch: 86289**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *+ F1	0.100	0.1548	F1	mg/Kg		155	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.1022		mg/Kg		102	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.1179		mg/Kg		118	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2030		mg/Kg		100	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.09892		mg/Kg		99	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-86323/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 86226 — **Prep Batch: 86323**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/24 16:38	07/22/24 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/24 16:38	07/22/24 19:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/24 16:38	07/22/24 19:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*07/22/24 16:38*	*07/22/24 19:13*	*1*
o-Terphenyl	*91*		*70 - 130*	*07/22/24 16:38*	*07/22/24 19:13*	*1*

Lab Sample ID: LCS 880-86323/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 86226 — **Prep Batch: 86323**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1004		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	839.8		mg/Kg		84	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46259-1
SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-86323/2-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86323

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: LCSD 880-86323/3-A
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86323

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1057		mg/Kg		106	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1104	*1	mg/Kg		110	70 - 130	27	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-46260-A-4-D MS
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 86323

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	1010	1195		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	<50.4	U *1	1010	1050		mg/Kg		101	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: 880-46260-A-4-E MSD
Matrix: Solid
Analysis Batch: 86226

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 86323

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	<50.4	U	1010	1197		mg/Kg		119	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.4	U *1	1010	1028		mg/Kg		99	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	75		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46259-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86373/1-A
Matrix: Solid
Analysis Batch: 86421

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			07/25/24 23:07	1

Lab Sample ID: LCS 880-86373/2-A
Matrix: Solid
Analysis Batch: 86421

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	254.2		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-86373/3-A
Matrix: Solid
Analysis Batch: 86421

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	255.4		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-46258-A-19-B MS
Matrix: Solid
Analysis Batch: 86421

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	<5.02	U	251	268.4		mg/Kg		106	90 - 110		

Lab Sample ID: 880-46258-A-19-C MSD
Matrix: Solid
Analysis Batch: 86421

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	<5.02	U	251	268.8		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46259-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 86154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46259-1	Backfill Sample	Total/NA	Solid	8021B	86289
MB 880-86289/5-A	Method Blank	Total/NA	Solid	8021B	86289
LCS 880-86289/1-A	Lab Control Sample	Total/NA	Solid	8021B	86289
LCSD 880-86289/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	86289
880-46260-A-11-B MS	Matrix Spike	Total/NA	Solid	8021B	86289
880-46260-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	86289

Prep Batch: 86289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46259-1	Backfill Sample	Total/NA	Solid	5035	
MB 880-86289/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-86289/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-86289/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46260-A-11-B MS	Matrix Spike	Total/NA	Solid	5035	
880-46260-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 86360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46259-1	Backfill Sample	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 86226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46259-1	Backfill Sample	Total/NA	Solid	8015B NM	86323
MB 880-86323/1-A	Method Blank	Total/NA	Solid	8015B NM	86323
LCS 880-86323/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86323
LCSD 880-86323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86323
880-46260-A-4-D MS	Matrix Spike	Total/NA	Solid	8015B NM	86323
880-46260-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	86323

Prep Batch: 86323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46259-1	Backfill Sample	Total/NA	Solid	8015NM Prep	
MB 880-86323/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-86323/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46260-A-4-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-46260-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 86397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46259-1	Backfill Sample	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 86373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46259-1	Backfill Sample	Soluble	Solid	DI Leach	
MB 880-86373/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-86373/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-86373/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46259-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 86373 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46258-A-19-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-46258-A-19-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 86421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46259-1	Backfill Sample	Soluble	Solid	300.0	86373
MB 880-86373/1-A	Method Blank	Soluble	Solid	300.0	86373
LCS 880-86373/2-A	Lab Control Sample	Soluble	Solid	300.0	86373
LCSD 880-86373/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	86373
880-46258-A-19-B MS	Matrix Spike	Soluble	Solid	300.0	86373
880-46258-A-19-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	86373

Lab Chronicle

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46259-1
SDG: Lea County, NM

Client Sample ID: Backfill Sample

Date Collected: 07/18/24 00:00
Date Received: 07/22/24 13:10

Lab Sample ID: 880-46259-1

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			5.01 g	5 mL	86289	07/22/24 14:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86154	07/22/24 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86360	07/22/24 18:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			86397	07/23/24 00:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	86323	07/22/24 16:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86226	07/23/24 00:41	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	86373	07/23/24 10:53	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86421	07/25/24 23:49	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: Uracas 8 (05.01.2024)

Job ID: 880-46259-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46259-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Uracas 8 (05.01.2024)

Job ID: 880-46259-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-46259-1	Backfill Sample	Solid	07/18/24 00:00	07/22/24 13:10

Released to Imaging: 10/22/2024 11:31:47 AM
Received by OCD: 9/23/2024 12:57:12 PM

Chain of Custody

Wo

880-46259 Chain of Custody

Page ___1___ of ___1___

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Uracas 8 (05.01.2024)	Turn Around	
Project Number:	2362	☑ Routine ☐ Rush	
Project Location	Lea County, NM	Due Date:	Routine
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR4
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-1
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-1.8
Total Containers:		Corrected Temperature:	-1.9

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
Backfill Sample	7/18/2024		X		C	1		X	X	X		

Parameters

ANALYSIS REQUEST

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	1310	7/22/24	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-46259-1
SDG Number: Lea County, NM

Login Number: 46259
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 385855

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 385855
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2412336586**
Incident Name	**NAPP2412336586 URACAS 8 @ 0**
Incident Type	**Oil Release**
Incident Status	**Reclamation Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Uracas 8
Date Release Discovered	05/01/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Corrosion | Pipeline (Any) | Crude Oil | Released: 110 BBL | Recovered: 50 BBL | Lost: 60 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 385855
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 09/23/2024

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 (continued)

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 385855
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 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	Between 1 and 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)	523
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	63100
GRO+DRO (EPA SW-846 Method 8015M)	58900
BTEX (EPA SW-846 Method 8021B or 8260B)	4940
Benzene (EPA SW-846 Method 8021B or 8260B)	643
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	06/26/2024
On what date will (or did) the final sampling or liner inspection occur	06/26/2024
On what date will (or was) the remediation complete(d)	09/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	18250
What is the estimated volume (in cubic yards) that will be reclaimed	9200
What is the estimated surface area (in square feet) that will be remediated	18250
What is the estimated volume (in cubic yards) that will be remediated	9200
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
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 (continued)

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 385855
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
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	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 09/23/2024
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
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 (continued)

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 385855
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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

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 (continued)

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 385855
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**379866**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**09/05/2024**
What was the (estimated) number of samples that were to be gathered	**30**
What was the sampling surface area in square feet	**5000**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	18250
What was the total volume (cubic yards) remediated	9200
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	18250
What was the total volume (in cubic yards) reclaimed	9200
Summarize any additional remediation activities not included by answers (above)	Contaminated area in the pasture and along grazing tenant access road have all been removed of all high TPH and BTEX. All confirmation samples were below standards set in Table 1, 19.15.29 NMAC, Groundwater >100ft. Backfilled with clean material from local landowners backfill pit (tested clean), reseeded with BLM approved seed mix.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 09/23/2024

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 (continued)

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 385855
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	18250
What was the total volume of replacement material (in cubic yards) for this site	9200
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	09/18/2024
Summarize any additional reclamation activities not included by answers (above)	Entire area was backfilled with clean caliche and top soil and reseeded with BLM LPC Seed Mix (per BLM request). Site inspections will be performed to evaluate the revegetation progress and assess the site for the presence of primary or secondary noxious weeds. An eradication method will be implemented if any noxious weeds are present.
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 09/23/2024

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 (continued)

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 385855
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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 385855

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 12700 Park Central Dr., Ste. 7 Dallas, TX 75251	OGRID: 330291
	Action Number: 385855
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2412336586 URACAS 8, thank you. This Remediation Closure Report is approved. Please be advised that future reclamation reports will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical.	10/22/2024