CARMONA RESOURCES

SITE INFORMATION

Work Plan
Gem CTB Riser
Incident ID: nAPP2420545876
Lea County, New Mexico
Unit P Sec 36 T25S R32E
32.082719°, -103.621559°

Produced Water Release
Point of Release: Gasket Failure at Riser
Release Date: 12/09/2023
Volume Released: 308 barrels of Produced Water
Volume Recovered: 10 barrels of Produced Water

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Prepared for:
EOG Resources, Inc
5509 Champions Dr.
Midland, TX 79706

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

CARMONA RESOURCES

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310 West Wall Street, Suite 500
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432.813.1992

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July 24, 2024

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

Re: Work Plan
Gem CTB Riser
Incident ID: nAPP2420545876
EOG Resources, Inc
Site Location: Unit P, S36, T25S, R32E
(Lat 32.082719°, Long -103.621559°)
Lea County, New Mexico

To whom it may concern:

On behalf of EOG Resources, Inc (EOG), Carmona Resources, LLC has prepared this letter to document site activities for the Gem CTB Riser. The site is located at 32.082719°, -103.621559° within Unit P, S36, T25S, R32E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notice of Release information obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered from a gasket failure on the riser on December 9, 2023. It resulted in the release of three hundred and eight (308) barrels of produced water and occurred along the pipeline right of way in the pastureland. There were ten (10) barrels recovered. Refer to Figure 3. The Notice of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified groundwater determination bore, registered with the New Mexico State Engineers Office, is located approximately 0.67 miles Southwest of the site in S11, T26S, R32E, and was drilled in 2021. The bore was drilled to a depth of 103’ below ground surface (ft bgs) and after 72 hours, was measured to find a dry hole. A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

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4.0 Site Assessment Activities

Initial Trenching Assessment

On May 7, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. Twenty-nine (29) trench samples (T-1 through T-29) and thirty-four (34) horizontal samples (H-1 through H-34) were advanced to depths ranging from the surface to 8' bgs inside the release area to assess the vertical extent. See Figures 3a and 3b 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 for the areas of T-1 through T-8, T-10, and T-12 through T-25. The areas of T-9, T-11, and T-26 through T-29 were not delineated vertically due to the dense, cemented geological formation ranging from 1' to 8' bgs throughout various areas of the spill path. Refer to Table 1.

Horizontal Delineation

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

Additional Trenching Assessment

On May 28, 2024, Carmona Resources, LLC was back on location to further delineate areas of refusal with a hammer hoe attachment on an excavator. The areas of T-9, T-11, and T-26 through T-29 were advanced to depths ranging from the surface to 10' bgs inside the release area for further evaluation. See Figures 3a and 3b 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

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Vertical delineation was achieved for the areas of T-9, T-11, T-26, T-28, and T-29. Refer to Table 1. The area of T-27 will be delineated during remediation activities.

5.0 Proposed Work Plan

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

- The areas of T-19, T-21, and T-29 will be excavated to a depth of 1.5' below the surface and backfilled with clean material to surface grade.
- The areas of T-1, T-10, T-18, and T-28 will be excavated to a depth of 2.0' below the surface and backfilled with clean material to surface grade.
- The areas of T-3 and T-5 will be excavated to a depth of 3.0' below the surface and backfilled with clean material to surface grade.
- The areas of T-26 and T-27 will be excavated to a depth of 3.5' below the surface and backfilled with clean material to surface grade.
- The areas of T-4 and T-15 will be excavated to a depth of 4.0' below the surface and backfilled with clean material to surface grade.
- The area of T-8 will be excavated to a depth of 5.0' below the surface and backfilled with clean material to surface grade.
- The areas of T-6 and T-12 will be excavated to a depth of 6.0' below the surface and backfilled with clean material to surface grade.
- The area of T-9 will be excavated to a depth of 7.0' below the surface and backfilled with clean material to surface grade.
- The area of T-11 will be excavated to a depth of 9.0' below the surface and backfilled with clean material to surface grade.
- An estimated 5,233 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth.
- A variance is requested per 19.15.29.14. A NMAC, Five-point composite bottom floor hole, and sidewall samples will be collected every 500 square feet to represent the release area.
- Once the site activities and excavation are complete, the areas will be backfilled with

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clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.

- Impacted soil around oil and gas equipment, structures, or lines may not be removed during remediation activities due to safety concerns for the onsite personnel. However, EOG Resources will excavate the impacted soil to the maximum extent possible.

6.0 Conclusions

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,
Carmona Resources, LLC



Mike Carmona
Environmental Manager



Devin Dominguez
Sr. Project Manager

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432.813.1992

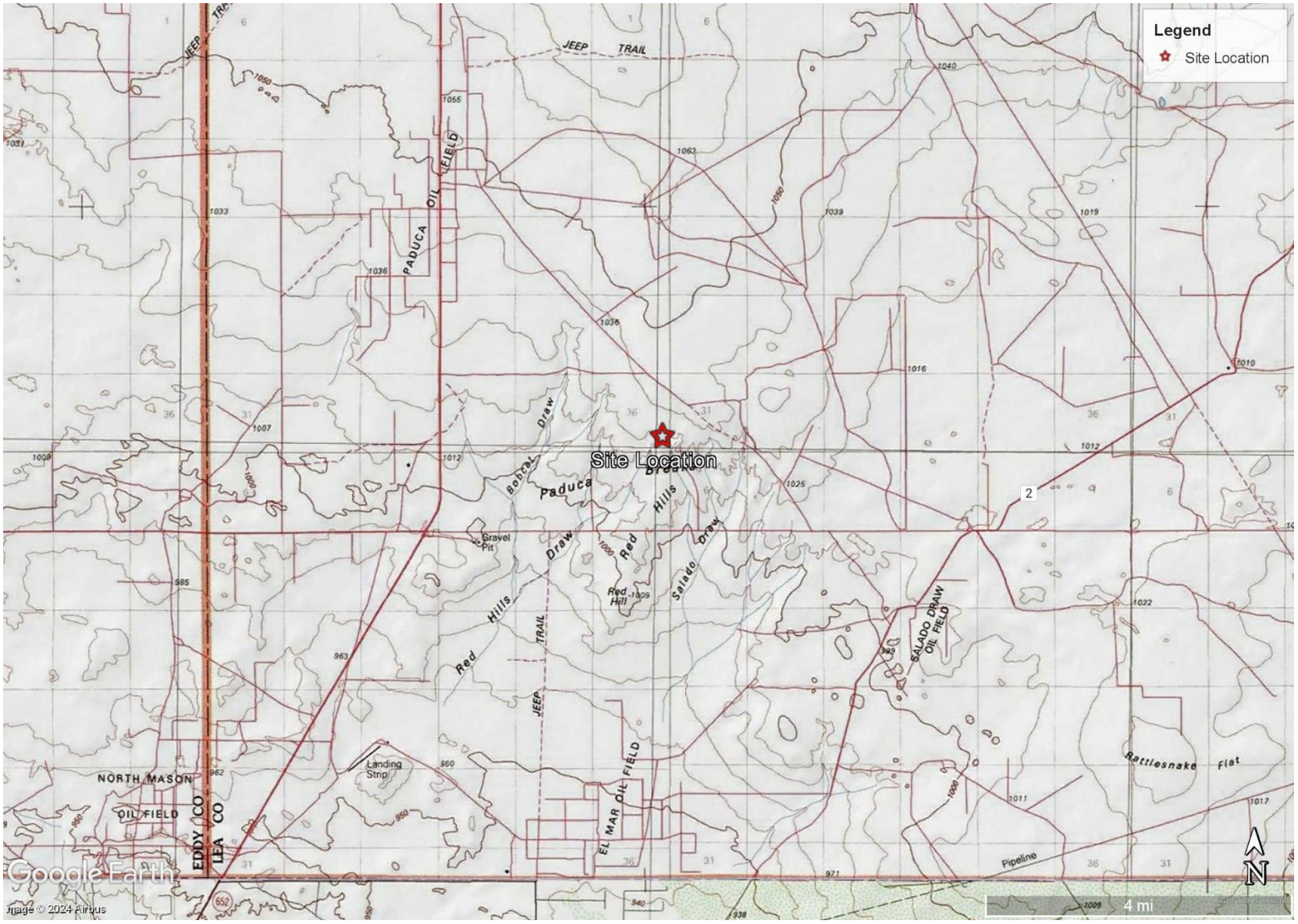
FIGURES

CARMONA RESOURCES





OVERVIEW MAP EOG RESOURCES GEM CTB REUSE RISER (12.09.23) LEA COUNTY, NEW MEXICO 32.082719°, -103.621559°	CARMONA RESOURCES	FIGURE 1



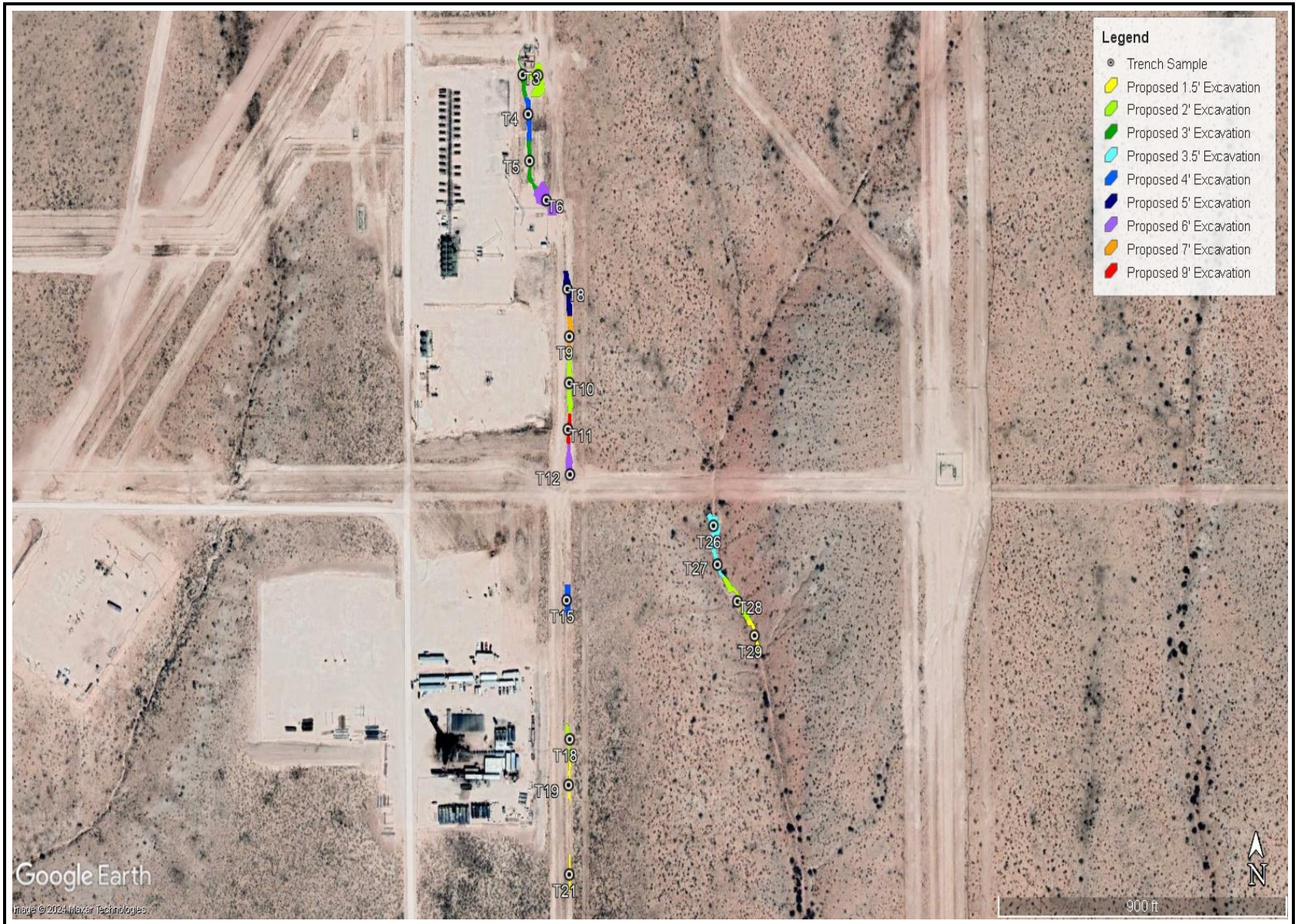
TOPOGRAPHIC MAP EOG RESOURCES GEM CTB REUSE RISER (12.09.23) LEA COUNTY, NEW MEXICO 32.082719°, -103.621559°	CARMONA RESOURCES	FIGURE 2



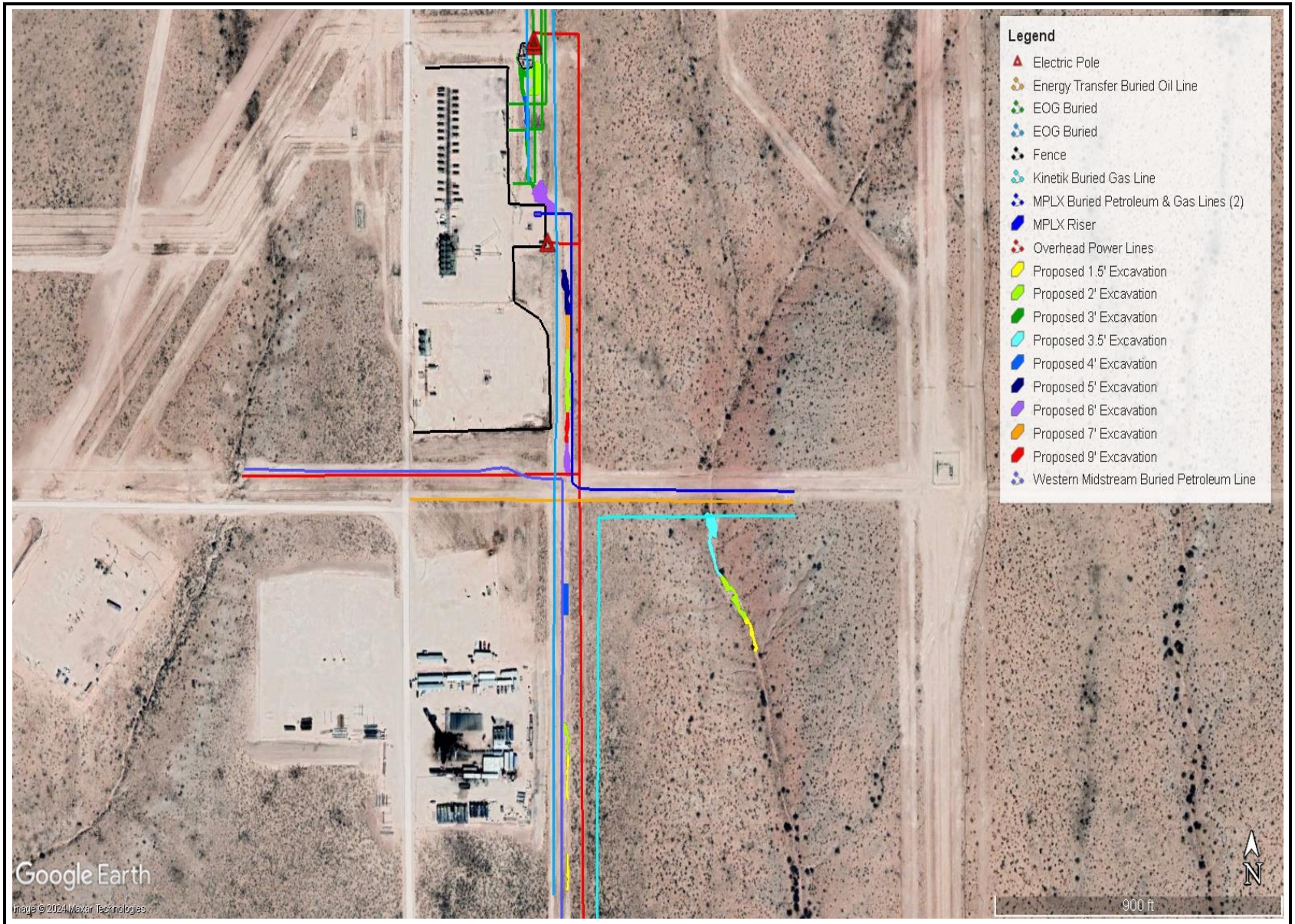
SAMPLE LOCATION OVERVIEW MAP EOG RESOURCES GEM CTB REUSE RISER (12.09.23) LEA COUNTY, NEW MEXICO 32.082719°, -103.621559°	CARMONA RESOURCES	FIGURE 3a



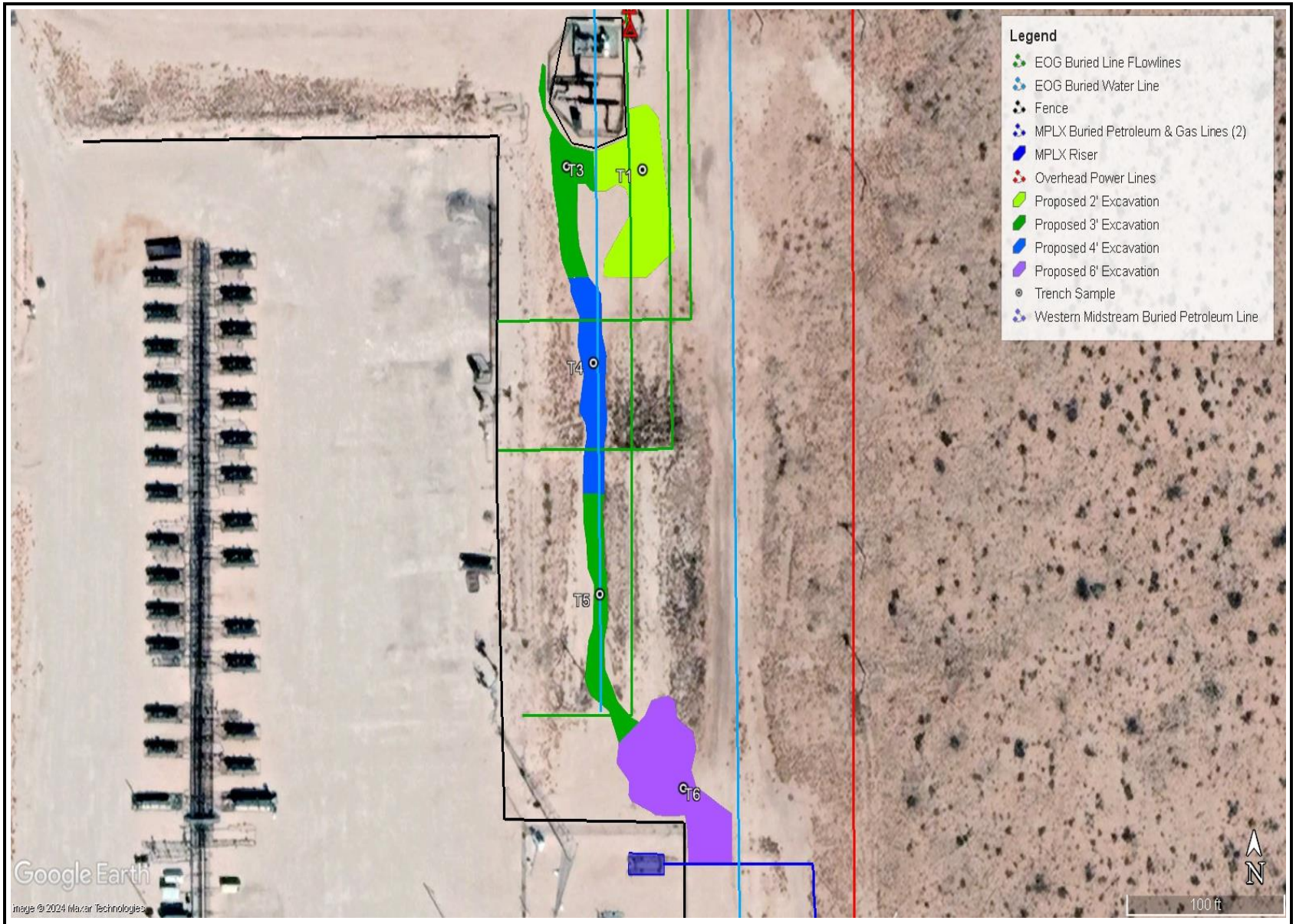
SAMPLE LOCATION OVERVIEW MAP EOG RESOURCES GEM CTB REUSE RISER (12.09.23) LEA COUNTY, NEW MEXICO 32.082719°, -103.621559°	CARMONA RESOURCES	FIGURE 3b



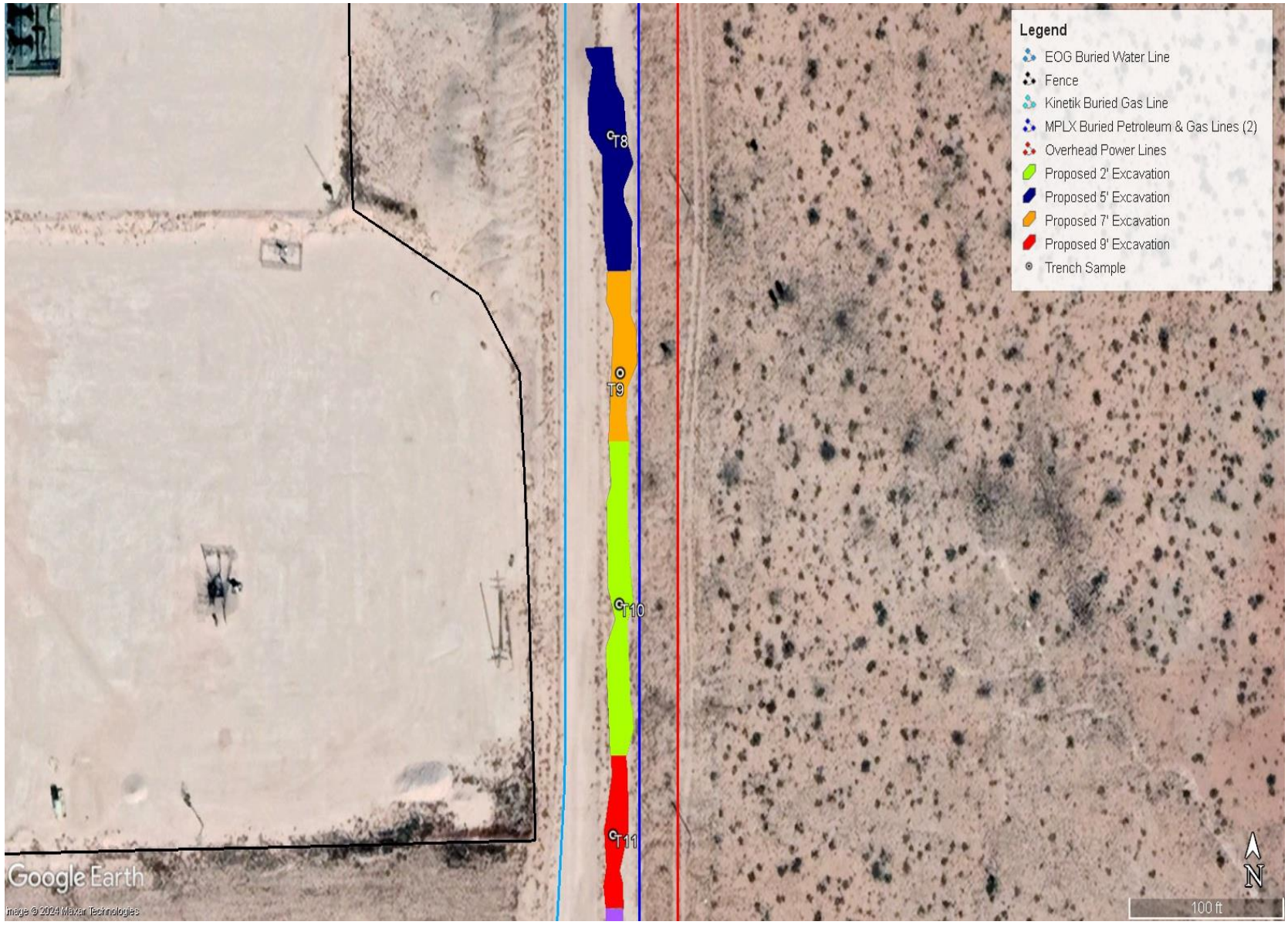
PROPOSED EXCAVATION DEPTH MAP EOG RESOURCES GEM CTB REUSE RISER (12.09.23) LEA COUNTY, NEW MEXICO 32.082719°, -103.621559°	CARMONA RESOURCES	FIGURE 4a



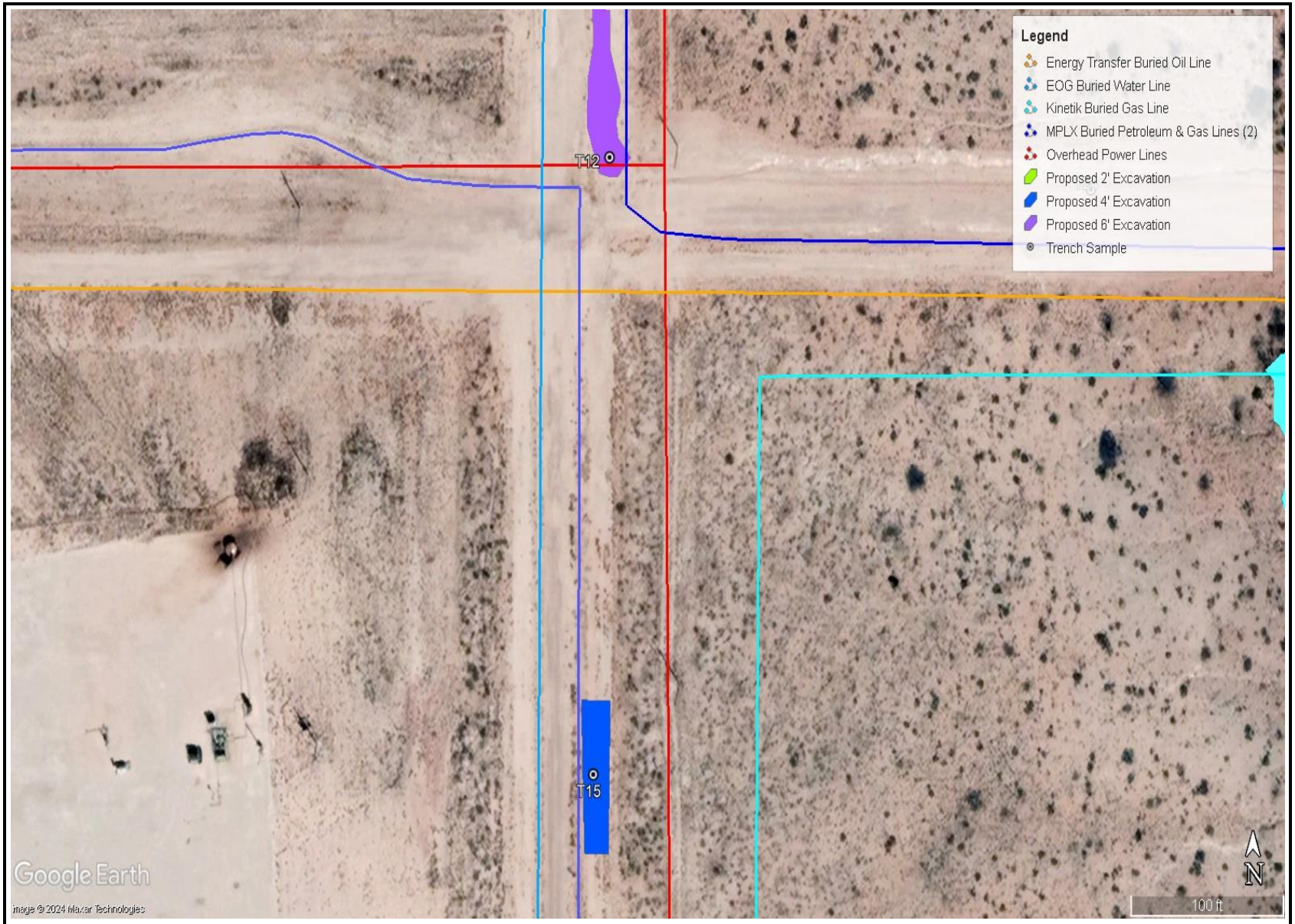
PROPOSED EXCAVATION DEPTH MAP EOG RESOURCES GEM CTB REUSE RISER (12.09.23) LEA COUNTY, NEW MEXICO 32.082719°, -103.621559°	CARMONA RESOURCES	FIGURE 4b



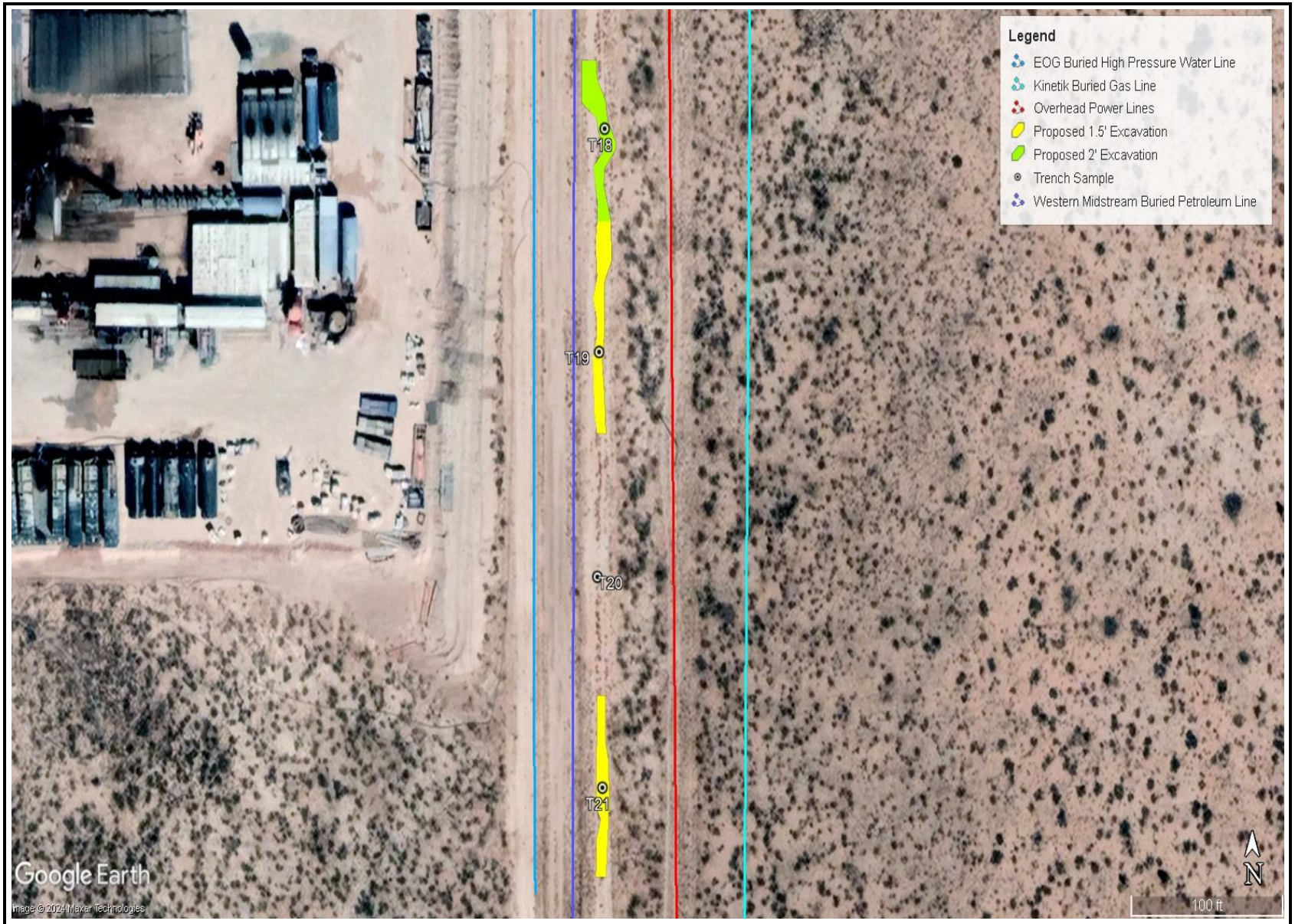
PROPOSED EXCAVATION DEPTH MAP EOG RESOURCES GEM CTB REUSE RISER (12.09.23) LEA COUNTY, NEW MEXICO 32.082719°, -103.621559°	CARMONA RESOURCES	FIGURE 4c



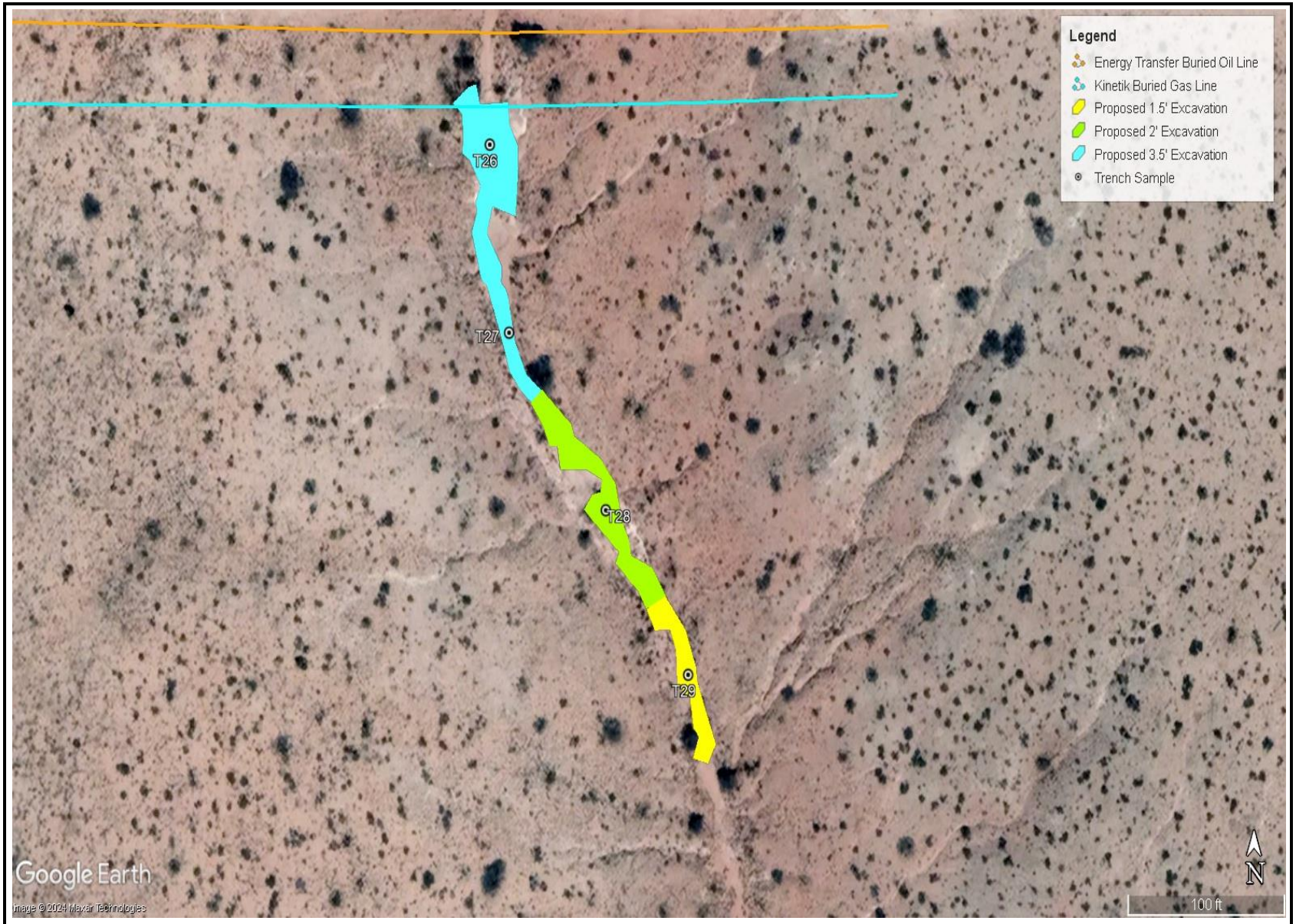
PROPOSED EXCAVATION DEPTH MAP EOG RESOURCES GEM CTB REUSE RISER (12.09.23) LEA COUNTY, NEW MEXICO 32.082719°, -103.621559°	CARMONA RESOURCES	FIGURE 4d



PROPOSED EXCAVATION DEPTH MAP EOG RESOURCES GEM CTB REUSE RISER (12.09.23) LEA COUNTY, NEW MEXICO 32.082719°, -103.621559°	CARMONA RESOURCES	FIGURE 4e



PROPOSED EXCAVATION DEPTH MAP EOG RESOURCES GEM CTB REUSE RISER (12.09.23) LEA COUNTY, NEW MEXICO 32.082719°, -103.621559°	CARMONA RESOURCES	FIGURE 4f



PROPOSED EXCAVATION DEPTH MAP EOG RESOURCES GEM CTB REUSE RISER (12.09.23) LEA COUNTY, NEW MEXICO 32.082719°, -103.621559°	CARMONA RESOURCES	FIGURE 4g

APPENDIX A

CARMONA RESOURCES



Table 1
EOG Resources
Gem CTB Reuse Riser (12.09.23)
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	5/7/2024	0-1	<49.5	<49.5	<49.5	<49.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**10,200**
	"	1.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**658**
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	341
	"	3.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	47.7
	"	4.0	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	275
	"	5.0	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.43
T-2	5/7/2024	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	17.9
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5.46
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	58.1
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	32.6
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.97
T-3	5/7/2024	0-1	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**7,440**
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**3,350**
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**898**
	"	3.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	38.9
	"	4.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.0
T-4	5/7/2024	0-1	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	306
	"	1.5	<49.5	<49.5	<49.5	<49.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	309
	"	2.0	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**1,010**
	"	3.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**702**
	"	4.0	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	23.0
T-5	5/7/2024	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**3,090**
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**1,610**
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**757**
	"	3.0	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	135
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.10
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
(T) - Trench Sample
Proposed Excavation

Table 1
EOG Resources
Gem CTB Reuse Riser (12.09.23)
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-6	5/7/2024	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**5,980**
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	239
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	156
	"	3.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	107
	"	4.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	98.9
	"	5.0	<49.5	<49.5	<49.5	<49.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**3,320**
	"	6.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	21.9
T-7	5/7/2024	0-1	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.8
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	11.0
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.41
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	70.0
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.4
T-8	5/7/2024	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**6,300**
	"	1.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	139
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	136
	"	3.0	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	70.1
	"	4.0	<49.5	<49.5	<49.5	<49.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**1,180**
	"	5.0	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	186
T-9	5/7/2024	0-1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**2,960**
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**4,610**
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**2,580**
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**833**
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**1,540**
	"	5.0	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	528
	"	6.0	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**1,140**
	Dense Layer											
	5/28/2024	0-1	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**7,290**
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**3,460**
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	**1,850**
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	32.9
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	106
	"	5.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**674**
	"	6.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	234
	"	7.0	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	183
	"	8.0	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	53.4
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
(T) - Trench Sample
Proposed Excavation

Table 1
EOG Resources
Gem CTB Reuse Riser (12.09.23)
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-10	5/7/2024	0-1	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**6,170**
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**3,500**
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	320
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	35.0
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	18.1
T-11	5/7/2024	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**8,960**
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**4,870**
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**3,530**
	"	3.0	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**636**
	"	4.0	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	**1,720**
	"	5.0	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**2,050**
	"	6.0	<49.5	<49.5	<49.5	<49.5	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	568
	"	7.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**769**
	"	8.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**686**
	Dense Layer											
	5/28/2024	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	59.4
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	68.3
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	46.1
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	102
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	147
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	279
	"	6.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	234
	"	7.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	185
	"	8.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	104
	"	8.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	319
	"	10.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	57.9
T-12	5/7/2024	0-1	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**5,380**
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**3,860**
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**1,230**
	"	3.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	101
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	**1,060**
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**2,080**
	"	6.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	39.6
	"	7.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	163
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
(T) - Trench Sample
Proposed Excavation

Table 1
EOG Resources
Gem CTB Reuse Riser (12.09.23)
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-13	5/7/2024	0-1	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	96.9
	"	1.5	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	253
	"	2.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5.29
	"	3.0	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	11.3
	"	4.0	<49.5	<49.5	<49.5	<49.5	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	371
T-14	5/7/2024	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5.23
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	12.3
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7.77
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<5.03
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	177
T-15	5/7/2024	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**21,300**
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	**3,110**
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**2,650**
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**1,870**
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	222
T-16	5/7/2024	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	11.9
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	10.9
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	7.55
	"	3.0	<49.8	<49.8	<49.8	<49.8	<0.0505	0.0815	<0.0505	<0.101	<0.101	11.4
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	52.4
T-17	5/7/2024	0-1	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	14.7
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12.7
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.97
	"	3.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	6.18
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	24.1
T-18	5/7/2024	0-1	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**6,100**
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**2,980**
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	266
	"	3.0	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	51.2
	"	4.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	51.7
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
(T) - Trench Sample
Proposed Excavation

Table 1
EOG Resources
Gem CTB Reuse Riser (12.09.23)
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-19	5/7/2024	0-1	<49.5	<49.5	<49.5	<49.5	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**1,550**
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	303
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	67.7
	"	3.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	46.0
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	114
T-20	5/7/2024	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	167
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	500
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	501
	"	3.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	12.2
	"	4.0	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	13.5
T-21	5/7/2024	0-1	<49.5	<49.5	<49.5	<49.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**2,090**
	"	1.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	505
	"	2.0	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.0
	"	3.0	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	30.7
	"	4.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	104
T-22	5/7/2024	0-1	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.38
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<5.02
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.99
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	8.85
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	45.7
T-23	5/7/2024	0-1	<49.8	<49.8	<49.8	<49.8	0.00509	0.00243	<0.00200	<0.00400	0.00752	19.4
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	6.59
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.8
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	17.2
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00198	0.00257	<0.00198	<0.00397	<0.00397	24.4
T-24	5/7/2024	0-1	<49.8	<49.8	<49.8	<49.8	0.00380	0.00264	<0.00200	<0.00400	0.00644	<5.01
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00198	0.00215	<0.00198	<0.00397	<0.00397	7.37
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<4.99
	"	3.0	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<4.96
	"	4.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.6
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
(T) - Trench Sample
Proposed Excavation

Table 1
EOG Resources
Gem CTB Reuse Riser (12.09.23)
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-25	5/7/2024	0-1	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	73.7
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	0.00211	<0.00199	<0.00398	<0.00398	61.6
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	17.0
	"	3.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	36.9
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	276
T-26	5/7/2024	0-1	<49.5	62.6	<49.5	62.6	0.00233	<0.00200	<0.00200	<0.00399	<0.00399	**16,700**
	"	1.5	<49.8	<49.8	<49.8	<49.8	0.00330	0.00305	<0.00200	<0.00400	0.00635	**5,780**
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**3,620**
	"	3.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**2,840**
	Dense Layer											
	5/28/2024	0-1	<49.8	56.3	<49.8	56.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**7,800**
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**1,730**
	"	2.0	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	108
	"	3.0	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	133
	"	3.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	57.7
T-27	5/7/2024	0-1	<49.7	55.3	<49.7	55.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**4,920**
	Dense Layer											
	5/28/2024	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**9,170**
	"	1.5	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**3,320**
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**3,820**
	"	2.5	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**619**
T-28	5/7/2024	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**3,180**
	Dense Layer											
	5/28/2024	0-1	<49.8	81.9	<49.8	81.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<99.2
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**4,210**
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	56.9
T-29	5/7/2024	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**849**
	Dense Layer											
	5/28/2024	0-1	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	**7,830**
	"	1.5	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	423
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	49.9
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
(T) - Trench Sample
Proposed Excavation

Table 1
EOG Resources
Gem CTB Reuse Riser (12.09.23)
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	5/7/2024	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	22.1
H-2	5/7/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	0.00396	0.00237	<0.00200	<0.00401	0.00633	6.16
H-3	5/7/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	0.00604	0.00339	<0.00200	<0.00399	0.00943	12.7
H-4	5/7/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	0.00457	0.00237	<0.00199	<0.00398	0.00694	5.07
H-5	5/7/2024	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	21.2
H-6	5/7/2024	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.15
H-7	5/7/2024	0-0.5	<49.5	<49.5	<49.5	<49.5	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	8.89
H-8	5/7/2024	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	8.97
H-9	5/7/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	12.2
H-10	5/7/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	20.4
H-11	5/7/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	0.00276	<0.00199	<0.00199	<0.00398	<0.00398	<4.96
H-12	5/7/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	0.00428	<0.00201	<0.00201	<0.00402	0.00428	<4.99
H-13	5/7/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	0.00557	0.00230	<0.00202	<0.00404	0.00787	15.0
H-14	5/7/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.62
H-15	5/7/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	0.00355	<0.00200	<0.00200	<0.00400	<0.00400	9.69
H-16	5/7/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.5
H-17	5/7/2024	0-0.5	<49.6	<49.6	<49.6	<49.6	0.00436	<0.00200	<0.00200	<0.00401	0.00436	19.9
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 1
EOG Resources
Gem CTB Reuse Riser (12.09.23)
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-18	5/7/2024	0-0.5	<49.5	<49.5	<49.5	<49.5	0.00260	<0.00199	<0.00199	<0.00398	<0.00398	10.6
H-19	5/7/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.6
H-20	5/7/2024	0-0.5	<49.9	<49.9	<49.9	<49.9	0.00345	<0.00199	<0.00199	<0.00398	<0.00398	15.0
H-21	5/7/2024	0-0.5	<50.0	<50.0	<50.0	<50.0	0.00243	<0.00201	<0.00201	<0.00402	<0.00402	9.68
H-22	5/7/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<5.04
H-23	5/7/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5.47
H-24	5/7/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.02
H-25	5/7/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	18.8
H-26	5/7/2024	0-0.5	<49.6	<49.6	<49.6	<49.6	0.00320	0.00218	<0.00199	<0.00398	0.00538	<5.02
H-27	5/7/2024	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	7.46
H-28	5/7/2024	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	18.6
H-29	5/7/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	12.2
H-30	5/7/2024	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8.81
H-31	5/7/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.3
H-32	5/7/2024	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	28.2
H-33	5/7/2024	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	7.64
H-34	5/7/2024	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	92.6
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

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 1

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View North, area of T-1.



Photograph No. 2

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
Vew North, area of T-2.



Photograph No. 3

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View North, area of T-3.



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 4

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View North, area of T-4



Photograph No. 5

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View South, area of T-5.

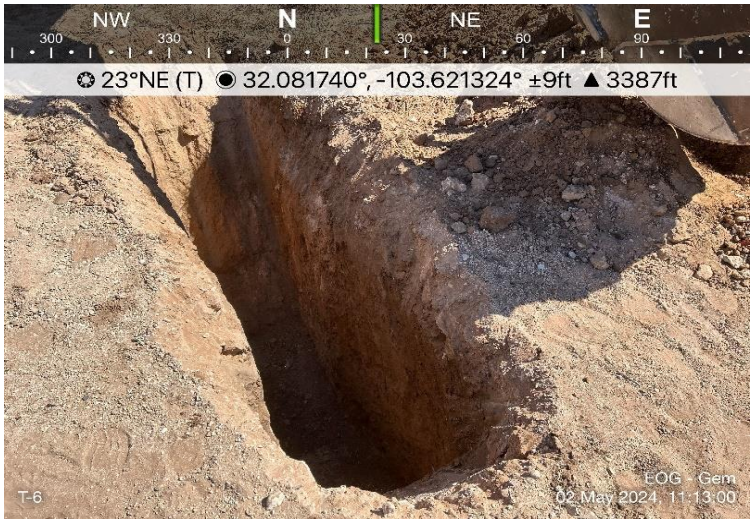


Photograph No. 6

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View Northeast, area of T-6.



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 7

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View North, area of T-7.



Photograph No. 8

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View North, area of T-8.



Photograph No. 9

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View Northeast, area of T-9.



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 10

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View North, area of T-10.



Photograph No. 11

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View Northwest, area of T-11.



Photograph No. 12

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View North, area of T-12.



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 13

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View South, area of T-13.



Photograph No. 14

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View North, area of T-14.



Photograph No. 15

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View North, area of T-16.



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 16

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View North, area of T-17.



Photograph No. 17

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View West, area of T-18.



Photograph No. 18

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View North, area of T-21.



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 19

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View West, area of T-22.



Photograph No. 20

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View West, area of T-24.

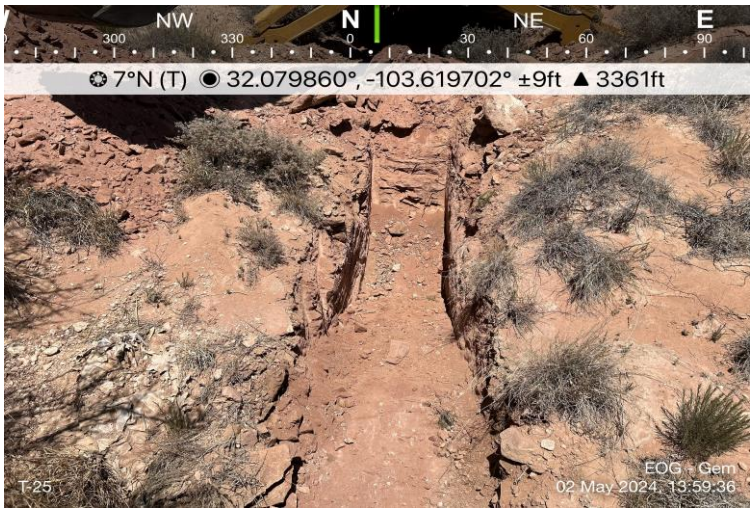


Photograph No. 21

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View North, area of T-25.



PHOTOGRAPHIC LOG

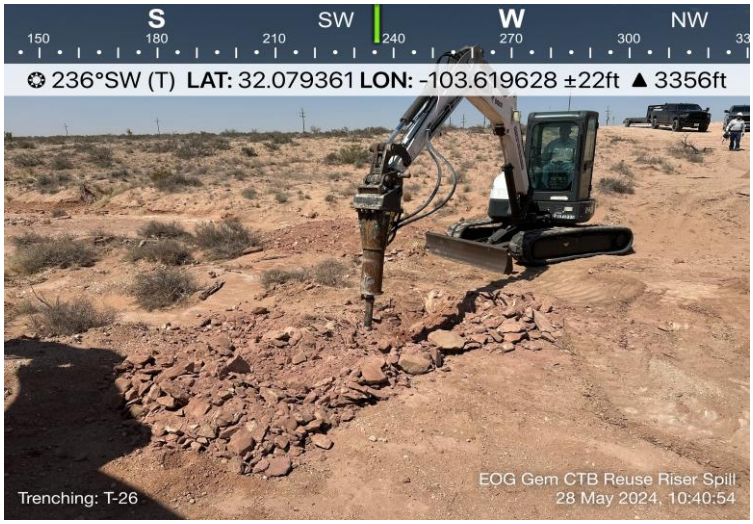
EOG Resources, Inc

Photograph No. 22

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View Southwest, area of T-26.



Photograph No. 23

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View South, area of T-27.



Photograph No. 24

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View South, area of T-28.



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 25

Facility: Gem CTB Reuse Riser (12.09.23)

County: Lea County, New Mexico

Description:
View South, area of T-29.



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 366350

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 366350
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Gem CTB Riser
Date Release Discovered	12/09/2023
Surface Owner	State

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

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Gasket | Produced Water | Released: 308 BBL | Recovered: 10 BBL | Lost: 298 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 366350
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

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

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ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 366350
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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State of New Mexico
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 366350
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
todd wells	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	7/23/2024

APPENDIX D

CARMONA RESOURCES



Nearest Water Well

EOG Resources

Legend

- 0.50 Mile Radius
- 0.67 Miles
- 1.10 Miles
- 1.15 Miles
- 1.27 Miles
- GEM CTB REUSE RISER (12.9.2023)
- Groundwater Determination Bore
- NMSEO Water Well
- USGS Water Well

232.96' - Drilled 2013

GEM CTB REUSE RISER (12.9.2023)

280' - Drilled 2021

103' GWDB - Drilled 2021

55' GWDB - Drilled 2020

Google Earth

Released to Imaging: 8/21/2024 2:12:06 PM

Image © 2024 Airbus

N

5000 ft

Medium Karst

EOG Resources

Legend

- GEM CTB REUSE RISER (12.9.2023)
- Low
- Medium

GEM CTB REUSE RISER (12.9.2023)

Google Earth

Released to Imaging: 8/21/2024 2:12:06 PM

Image © 2024 Airbus

N

5000 ft

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	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04537 POD1	C	LE	4	4	4	31	25S	33E	631847	3550243	1767	500	280	220
C 04485 POD1	CUB	LE	4	1	1	12	26S	32E	629039	3548125	2534	55		
C 04547 POD1	CUB	LE	2	4	4	07	26S	33E	631686	3547262	3549	112		
C 04549 POD1	CUB	LE	1	1	1	11	26S	32E	627111	3548316	3652	0	0	0

Average Depth to Water: **140 feet**

Minimum Depth: **0 feet**

Maximum Depth: **280 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 630089 **Northing (Y):** 3550432.39 **Radius:** 4000

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

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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OSE DIT AUG 2 2021 PM2:50

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD1 (MW-1)	n/a	C-4549

WELL OWNER NAME(S)	PHONE (OPTIONAL)
BTA Oil Producers	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
104 S. Pecos St.	Midland	TX	79701

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	4	40.92	N
	LONGITUDE	103	37	53.68	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

NW NW NW Sec. 11 T26S R32E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
07/14/2021	07/14/2021	temporary well material	103	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	103	±8.5	Boring- HSA	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

OSE DIT AUG 2 2021 PM2:50

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	4	4	Caliche, Consolidated , White	Y ✓ N	
4	9	5	Caliche, Consolidated , with fine-grained, Tan	Y ✓ N	
9	14	5	Caliche, Consolidated , White	Y ✓ N	
14	19	5	Caliche, Consolidated , with fine-grained, Tan	Y ✓ N	
19	69	50	Sand, Fine-grained poorly graded, with caliche , Tanish Brown	Y ✓ N	
69	79	103	Clay, Stiff, High Plasticity, Dark Brown,	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt, Carmelo Trevino

6. SIGNATURE

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

Jack Atkins — Jackie D. Atkins — 07/29/2021

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
20E6C	C 04537 POD1	4	4	4	31	25S	33E	631847	3550243

Driller License: 1706 **Driller Company:** ELITE DRILLERS CORPORATION

Driller Name: WALLACE, BRYCE J.LEE.NER

Drill Start Date:	06/11/2021	**Drill Finish Date:**	06/12/2021	**Plug Date:**	
Log File Date:	06/21/2021	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	5 GPM
Casing Size:	4.00	**Depth Well:**	500 feet	**Depth Water:**	280 feet

Water Bearing Stratifications:	Top	Bottom	Description
	220	340	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	300	500

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.

USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320504103361801

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

USGS 320504103361801 25S.33E.31.24232

Lea County, New Mexico
Latitude 32°05'21.6", Longitude 103°36'12.7" NAD83
Land-surface elevation 3,403.00 feet above NGVD29
The depth of the well is 320 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) 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 measur
1954-07-26		D	62610		3145.45	NGVD29	1	Z		
1954-07-26		D	62611		3147.08	NAVD88	1	Z		
1954-07-26		D	72019	257.55			1	Z		
1970-12-08		D	62610		3162.86	NGVD29	P	Z		
1970-12-08		D	62611		3164.49	NAVD88	P	Z		
1970-12-08		D	72019	240.14			P	Z		
2013-01-16	19:45 UTC	m	62610		3170.04	NGVD29	1	S	USGS	
2013-01-16	19:45 UTC	m	62611		3171.67	NAVD88	1	S	USGS	
2013-01-16	19:45 UTC	m	72019	232.96			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

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

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2024-04-23 17:07:38 EDT
0.36 0.29 nadww02

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.): C-04485 OWL 362	WELL TAG ID NO.: NA	OSE FILE NO(S).: C-04485	
WELL OWNER NAME(S): KJ ENVIRONMENTAL		PHONE (OPTIONAL): 214-287-5875	
WELL OWNER MAILING ADDRESS: 500 MOSSELEY ROAD		CITY: CROSS ROADS	STATE: TX ZIP: 76227

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	3548560			N
LONGITUDE	629271			W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE:

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD 1186	RODNEY HAMMER	ENVIRO-DRILL, INC.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
10/05/2020	10/06/2020	55'	55'	None (Dry)

COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT):

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER – SPECIFY: HSA

DEPTH (feet bgl) FROM	TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
55	45	8"	Screen	FJT	2"	2"	.010
45	0	8"	Blank	11	11	11	

RECEIVED 2021 APR 14 PM 12:02 OSE ROSWELL, NM

2020 NOV 20 AM 8:30 STATE ENGINEER OFFICE

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
55	43	8"	Sand 10/20	10	tremie
43	41	8"	Hole Plug	1	
41	0	8"	Grout	100 gal.	↓

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. CC-2599 POD NO. TRN NO. 693367

LOCATION 2-2-4 2N-33E-10 WELL TAG ID NO. PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	10		Sand + gravel	Y (N)	
10	25		gravel + Caliche	Y (N)	
25	45		Caliche	Y (N)	
45	55		Sandstone	Y (N)	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

2020 NOV 19 2021 APR 6 PM 12:46

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

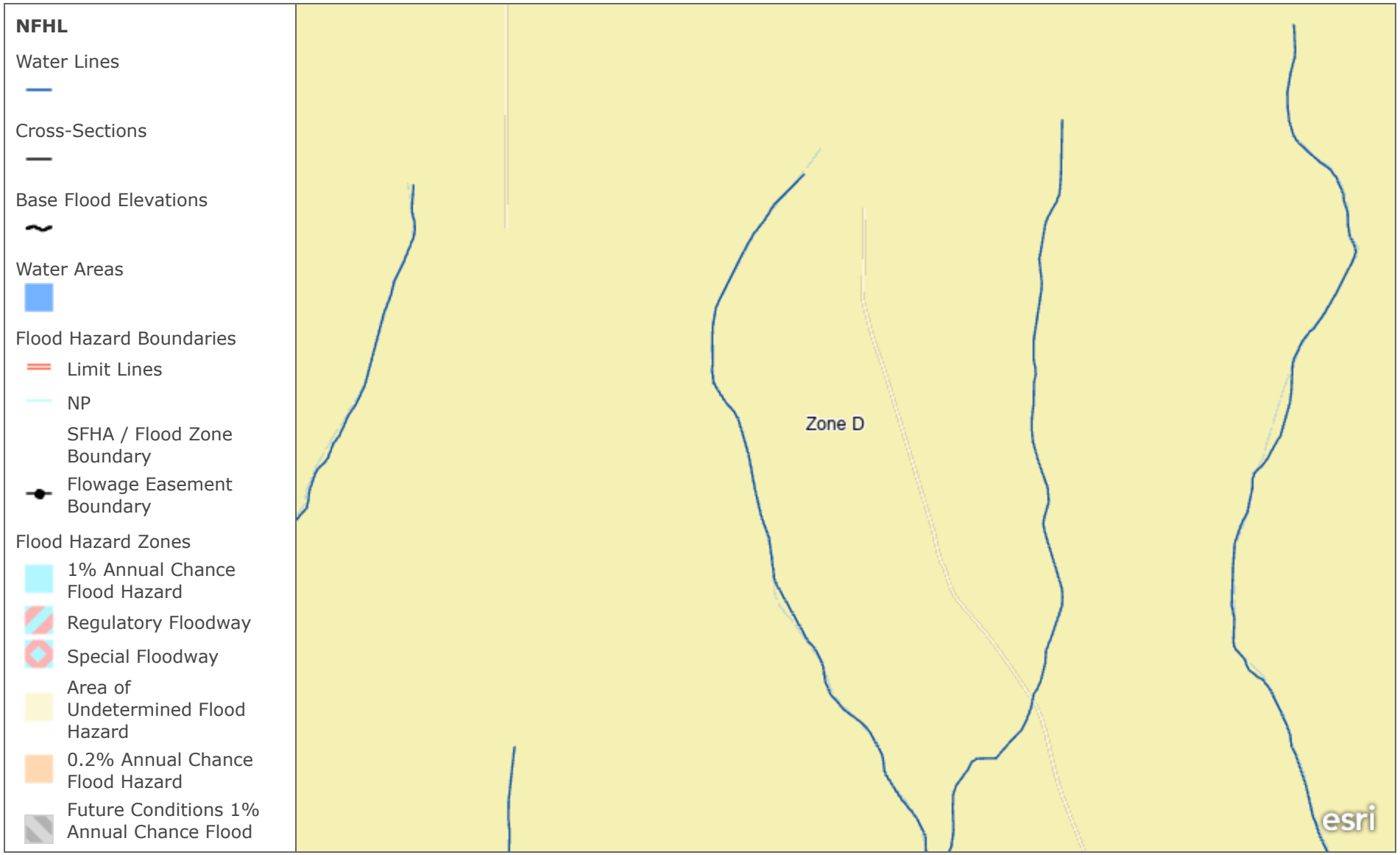
Rodney Hammer — 10-14-20

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

FEMA National Flood Hazard Layer (NFHL)



FEMA flood layer

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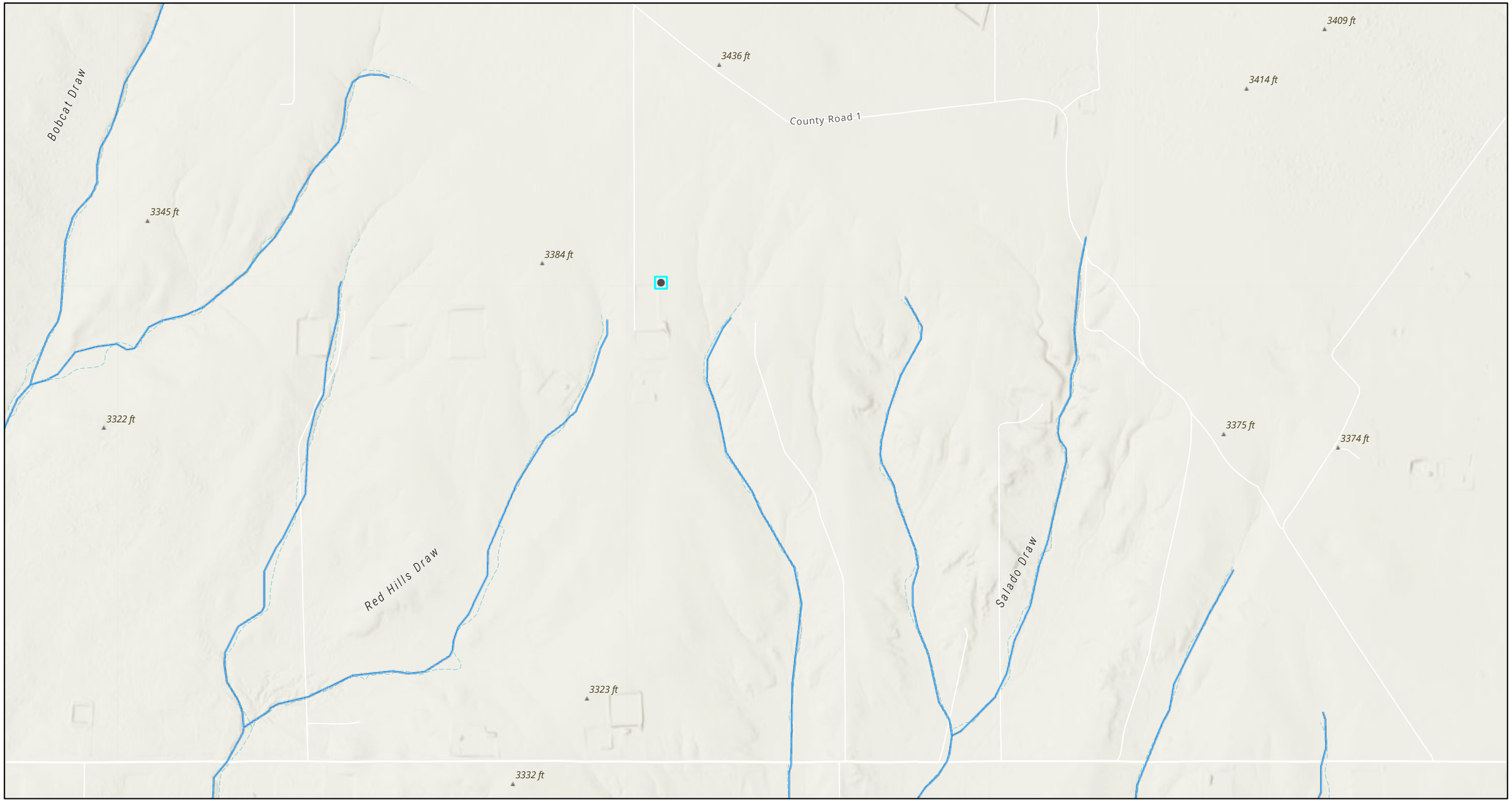
FEMA National Flood Hazard Layer (NFHL)



FEMA flood layer

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GEM CTB REUSE RISER (12.9.2023)



4/23/2024, 3:53:30 PM

OSE Streams

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

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

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

APPENDIX E

CARMONA RESOURCES



eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/14/2024 12:26:54 PM

JOB DESCRIPTION

Gem CTB Reuse Riser (12.09.23)
Lea County, New Mexico

JOB NUMBER

880-43257-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 8/21/2024 2:12:00 PM

my EOL

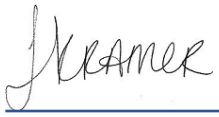
Eurofins Midland

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
5/14/2024 12:26:54 PM

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

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Laboratory Job ID: 880-43257-1
SDG: Lea County, New Mexico

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QC Sample Results 126
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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Definitions/Glossary

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

Glossary (Continued)

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

Case Narrative

Client: Carmona Resources Job ID: 880-43257-1
Project: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1 Eurofins Midland

Job Narrative
880-43257-1

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 2:55 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 0.9°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-43257-1), T-1 (1.5') (880-43257-2), T-1 (2') (880-43257-3), T-1 (3') (880-43257-4), T-1 (4') (880-43257-5), T-1 (5') (880-43257-6), T-2 (0-1') (880-43257-7), T-2 (1.5') (880-43257-8), T-2 (2') (880-43257-9), T-2 (3') (880-43257-10), T-2 (4') (880-43257-11), T-3 (0-1') (880-43257-12), T-3 (1.5') (880-43257-13), T-3 (2') (880-43257-14), T-3 (3') (880-43257-15), T-3 (4') (880-43257-16), T-4 (0-1') (880-43257-17), T-4 (1.5') (880-43257-18), T-4 (2') (880-43257-19), T-4 (3') (880-43257-20), T-4 (4') (880-43257-21), T-5 (0-1') (880-43257-22), T-5 (1.5') (880-43257-23), T-5 (2') (880-43257-24), T-5 (3') (880-43257-25), T-5 (4') (880-43257-26), T-6 (0-1') (880-43257-27), T-6 (1.5') (880-43257-28), T-6 (2') (880-43257-29), T-6 (3') (880-43257-30), T-6 (4') (880-43257-31), T-6 (5') (880-43257-32), T-6 (6') (880-43257-33), T-7 (0-1') (880-43257-34), T-7 (1.5') (880-43257-35), T-7 (2') (880-43257-36), T-7 (3') (880-43257-37), T-7 (4') (880-43257-38), T-8 (0-1') (880-43257-39), T-8 (1.5') (880-43257-40), T-8 (2') (880-43257-41), T-8 (3') (880-43257-42), T-8 (4') (880-43257-43), T-8 (5') (880-43257-44), T-9 (0-1') (880-43257-45), T-9 (1.5') (880-43257-46), T-9 (2') (880-43257-47), T-9 (3') (880-43257-48), T-9 (4') (880-43257-49), T-9 (5') (880-43257-50), T-9 (6') (880-43257-51), T-10 (0-1') (880-43257-52), T-10 (1.5') (880-43257-53), T-10 (2') (880-43257-54), T-10 (3') (880-43257-55), T-10 (4') (880-43257-56), T-11 (0-1') (880-43257-57), T-11 (1.5') (880-43257-58), T-11 (2') (880-43257-59), T-11 (3') (880-43257-60), T-11 (4') (880-43257-61), T-11 (5') (880-43257-62), T-11 (6') (880-43257-63), T-11 (7') (880-43257-64), T-11 (8') (880-43257-65), T-12 (0-1') (880-43257-66), T-12 (1.5') (880-43257-67), T-12 (2') (880-43257-68), T-12 (3') (880-43257-69), T-12 (4') (880-43257-70), T-12 (5') (880-43257-71), T-12 (6') (880-43257-72), T-12 (7') (880-43257-73), T-13 (0-1') (880-43257-74), T-13 (1.5') (880-43257-75), T-13 (2') (880-43257-76), T-13 (3') (880-43257-77), T-13 (4') (880-43257-78), T-14 (0-1') (880-43257-79), T-14 (1.5') (880-43257-80), T-14 (2') (880-43257-81), T-14 (3') (880-43257-82), T-14 (4') (880-43257-83), T-15 (0-1') (880-43257-84), T-15 (1.5') (880-43257-85), T-15 (2') (880-43257-86), T-15 (3') (880-43257-87), T-15 (4') (880-43257-88), T-16 (0-1') (880-43257-89), T-16 (1.5') (880-43257-90), T-16 (2') (880-43257-91), T-16 (3') (880-43257-92), T-16 (4') (880-43257-93), T-17 (0-1') (880-43257-94), T-17 (1.5') (880-43257-95), T-17 (2') (880-43257-96), T-17 (3') (880-43257-97), T-17 (4') (880-43257-98), T-18 (0-1') (880-43257-99), T-18 (1.5') (880-43257-100), T-18 (2') (880-43257-101), T-18 (3') (880-43257-102), T-18 (4') (880-43257-103), T-19 (0-1') (880-43257-104), T-19 (1.5') (880-43257-105), T-19 (2') (880-43257-106), T-19 (3') (880-43257-107), T-19 (4') (880-43257-108), T-20 (0-1') (880-43257-109), T-20 (1.5') (880-43257-110), T-20 (2') (880-43257-111), T-20 (3') (880-43257-112), T-20 (4') (880-43257-113), T-21 (0-1') (880-43257-114), T-21 (1.5') (880-43257-115), T-21 (2') (880-43257-116), T-21 (3') (880-43257-117), T-21 (4') (880-43257-118), T-22 (0-1') (880-43257-119), T-22 (1.5') (880-43257-120), T-22 (2') (880-43257-121), T-22 (3') (880-43257-122), T-22 (4') (880-43257-123), T-23 (0-1') (880-43257-124), T-23 (1.5') (880-43257-125), T-23 (2') (880-43257-126), T-23 (3') (880-43257-127), T-23 (4') (880-43257-128), T-24 (0-1') (880-43257-129), T-24 (1.5') (880-43257-130), T-24 (2') (880-43257-131), T-24 (3') (880-43257-132), T-24 (4') (880-43257-133), T-25 (0-1') (880-43257-134), T-25 (1.5') (880-43257-135), T-25 (2') (880-43257-136), T-25 (3') (880-43257-137), T-25 (4') (880-43257-138), T-26 (0-1') (880-43257-139), T-26 (1.5') (880-43257-140), T-26 (2') (880-43257-141), T-26 (3') (880-43257-142), T-27 (0-1') (880-43257-143), T-28 (0-1') (880-43257-144) and T-29 (0-1') (880-43257-145).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: T-16 (3') (880-43257-92), T-17 (4') (880-43257-98) and T-18 (1.5') (880-43257-100). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-80339 and 880-80341 and analytical batch 880-80321 was outside the upper control limits.

Case Narrative

Client: Carmona Resources Job ID: 880-43257-1
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Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-80339 and 880-80341 and analytical batch 880-80321 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-11 (7') (880-43257-64), T-12 (2') (880-43257-68), T-13 (1.5') (880-43257-75), T-13 (4') (880-43257-78) and T-14 (1.5') (880-43257-80). 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-11 (3') (880-43257-60). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-80364 and analytical batch 880-80367 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-80364/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-80323 recovered under the lower control limit for Benzene and Toluene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-15 (2') (880-43257-86), T-15 (3') (880-43257-87), T-15 (4') (880-43257-88), T-16 (2') (880-43257-91), T-16 (4') (880-43257-93), T-17 (0-1') (880-43257-94), T-17 (2') (880-43257-96) and T-18 (0-1') (880-43257-99). Evidence of matrix interferences is not obvious.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: T-16 (3') (880-43257-92). Elevated reporting limits (RLs) are provided.

Method 8021B: Surrogate recovery for the following samples were outside the upper control limit: T-3 (1.5') (880-43257-13) and T-11 (0-1') (880-43257-57). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-79949 and analytical batch 880-80304 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: (880-42977-A-1-E MS) and (880-42977-A-1-F MSD). 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 the upper control limit: T-2 (2') (880-43257-9). This sample did not contain any target analytes; 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 880-80290 and 880-80296 and analytical batch 880-80414 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 the upper control limit: T-15 (4') (880-43257-88). This sample did not contain any target analytes; 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 880-80284 and 880-80285 and analytical batch 880-80520 were outside control limits for one or more analytes. See QC Sample Results for detail.

Case Narrative

Client: Carmona Resources Job ID: 880-43257-1
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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 surrogate recovery for the blank associated with preparation batch 880-80287 and analytical batch 880-80416 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: T-9 (2') (880-43257-47). This sample did not contain any target analytes; 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 880-80287 and analytical batch 880-80416 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-80286 and analytical batch 880-80416 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-23 (4') (880-43257-128), T-24 (0-1') (880-43257-129) and T-24 (4') (880-43257-133). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-80282 and analytical batch 880-80522 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-80281 and analytical batch 880-80522 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80295 and analytical batch 880-80337 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.

T-9 (3') (880-43257-48), T-9 (4') (880-43257-49), T-9 (5') (880-43257-50), T-9 (6') (880-43257-51), T-10 (0-1') (880-43257-52), T-10 (1.5') (880-43257-53), T-10 (2') (880-43257-54), T-10 (3') (880-43257-55), T-10 (4') (880-43257-56), T-11 (0-1') (880-43257-57), (880-43257-A-48-C MS) and (880-43257-A-48-D MSD)

Method 300_ORGFM_28D - Soluble: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 880-80297 and analytical batch 880-80354 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-1
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 12:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:34	05/09/24 12:30	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		05/09/24 10:34	05/09/24 12:30	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		05/09/24 10:34	05/09/24 12:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:34	05/09/24 12:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 10:34	05/09/24 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/09/24 10:34*	*05/09/24 12:30*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/09/24 10:34*	*05/09/24 12:30*	*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			05/09/24 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			05/11/24 02:26	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	<49.5	U	49.5		mg/Kg		05/08/24 16:52	05/11/24 02:26	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		05/08/24 16:52	05/11/24 02:26	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		05/08/24 16:52	05/11/24 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*05/08/24 16:52*	*05/11/24 02:26*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/08/24 16:52*	*05/11/24 02:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10200**		100		mg/Kg			05/09/24 11:13	20

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-43257-2
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 12:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 12:50	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		05/09/24 10:34	05/09/24 12:50	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		05/09/24 10:34	05/09/24 12:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 12:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/24 10:34	05/09/24 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/09/24 10:34*	*05/09/24 12:50*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 10:34*	*05/09/24 12:50*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-43257-2
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 12:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/11/24 02:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/08/24 16:52	05/11/24 02:46	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:52	05/11/24 02:46	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:52	05/11/24 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/08/24 16:52*	*05/11/24 02:46*	*1*
o-Terphenyl	*115*		*70 - 130*	*05/08/24 16:52*	*05/11/24 02:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**658**		5.01		mg/Kg			05/09/24 11:20	1

Client Sample ID: T-1 (2')

Lab Sample ID: 880-43257-3
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 13:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 13:11	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		05/09/24 10:34	05/09/24 13:11	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		05/09/24 10:34	05/09/24 13:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 13:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/24 10:34	05/09/24 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/09/24 10:34*	*05/09/24 13:11*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/09/24 10:34*	*05/09/24 13:11*	*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			05/09/24 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/11/24 03:06	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 16:52	05/11/24 03:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:52	05/11/24 03:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-43257-3
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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		05/08/24 16:52	05/11/24 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/08/24 16:52*	*05/11/24 03:06*	*1*
o-Terphenyl	*97*		*70 - 130*	*05/08/24 16:52*	*05/11/24 03:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**341**		4.97		mg/Kg			05/09/24 11:38	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-43257-4
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 13:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 13:31	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		05/09/24 10:34	05/09/24 13:31	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		05/09/24 10:34	05/09/24 13:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 13:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:34	05/09/24 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/09/24 10:34*	*05/09/24 13:31*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 10:34*	*05/09/24 13:31*	*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			05/09/24 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	<49.7	U	49.7		mg/Kg			05/11/24 03:27	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		05/08/24 16:52	05/11/24 03:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:52	05/11/24 03:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:52	05/11/24 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/08/24 16:52*	*05/11/24 03:27*	*1*
o-Terphenyl	*108*		*70 - 130*	*05/08/24 16:52*	*05/11/24 03:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.7**		5.03		mg/Kg			05/09/24 11:44	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (4')

Lab Sample ID: 880-43257-5
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 13:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:34	05/09/24 13:52	1
Ethylbenzene	<0.00202	U *+	0.00202		mg/Kg		05/09/24 10:34	05/09/24 13:52	1
m-Xylene & p-Xylene	<0.00404	U *+	0.00404		mg/Kg		05/09/24 10:34	05/09/24 13:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:34	05/09/24 13:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/09/24 10:34	05/09/24 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/09/24 10:34*	*05/09/24 13:52*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/09/24 10:34*	*05/09/24 13:52*	*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			05/09/24 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/08/24 23:26	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	<50.1	U	50.1		mg/Kg		05/08/24 16:30	05/08/24 23:26	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/08/24 16:30	05/08/24 23:26	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/08/24 16:30	05/08/24 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*05/08/24 16:30*	*05/08/24 23:26*	*1*
o-Terphenyl	*94*		*70 - 130*	*05/08/24 16:30*	*05/08/24 23:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**275**		4.99		mg/Kg			05/09/24 11:50	1

Client Sample ID: T-1 (5')

Lab Sample ID: 880-43257-6
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 14:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 14:12	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		05/09/24 10:34	05/09/24 14:12	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		05/09/24 10:34	05/09/24 14:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 14:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:34	05/09/24 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/09/24 10:34*	*05/09/24 14:12*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/09/24 10:34*	*05/09/24 14:12*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (5')

Lab Sample ID: 880-43257-6
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 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	<50.4	U	50.4		mg/Kg			05/08/24 23:40	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	50.4		mg/Kg		05/08/24 16:30	05/08/24 23:40	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		05/08/24 16:30	05/08/24 23:40	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		05/08/24 16:30	05/08/24 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*05/08/24 16:30*	*05/08/24 23:40*	*1*
o-Terphenyl	*93*		*70 - 130*	*05/08/24 16:30*	*05/08/24 23:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.43**		5.05		mg/Kg			05/09/24 11:56	1

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

Lab Sample ID: 880-43257-7
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 14:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 14:33	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		05/09/24 10:34	05/09/24 14:33	1
m-Xylene & p-Xylene	<0.00400	U *+	0.00400		mg/Kg		05/09/24 10:34	05/09/24 14:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 14:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 10:34	05/09/24 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/09/24 10:34*	*05/09/24 14:33*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 10:34*	*05/09/24 14:33*	*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			05/09/24 14:33	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			05/10/24 11:19	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		05/08/24 16:45	05/10/24 11:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		05/08/24 16:45	05/10/24 11:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-7
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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 16:45	05/10/24 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/08/24 16:45*	*05/10/24 11:19*	*1*
o-Terphenyl	*116*		*70 - 130*	*05/08/24 16:45*	*05/10/24 11:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.9**		5.00		mg/Kg			05/09/24 12:03	1

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-43257-8
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 14:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:34	05/09/24 14:53	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		05/09/24 10:34	05/09/24 14:53	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		05/09/24 10:34	05/09/24 14:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:34	05/09/24 14:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 10:34	05/09/24 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/09/24 10:34*	*05/09/24 14:53*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*05/09/24 10:34*	*05/09/24 14:53*	*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			05/09/24 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			05/10/24 12:21	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		05/08/24 16:45	05/10/24 12:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 12:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/08/24 16:45*	*05/10/24 12:21*	*1*
o-Terphenyl	*113*		*70 - 130*	*05/08/24 16:45*	*05/10/24 12:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.46**		4.98		mg/Kg			05/09/24 12:09	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (2')

Lab Sample ID: 880-43257-9
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 15:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:34	05/09/24 15:14	1
Ethylbenzene	<0.00202	U *+	0.00202		mg/Kg		05/09/24 10:34	05/09/24 15:14	1
m-Xylene & p-Xylene	<0.00403	U *+	0.00403		mg/Kg		05/09/24 10:34	05/09/24 15:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:34	05/09/24 15:14	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/24 10:34	05/09/24 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/09/24 10:34*	*05/09/24 15:14*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 10:34*	*05/09/24 15:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/09/24 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/10/24 12:41	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	<49.9	U	49.9		mg/Kg		05/08/24 16:45	05/10/24 12:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:45	05/10/24 12:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:45	05/10/24 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*05/08/24 16:45*	*05/10/24 12:41*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*05/08/24 16:45*	*05/10/24 12:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.1**		5.02		mg/Kg			05/09/24 12:27	1

Client Sample ID: T-2 (3')

Lab Sample ID: 880-43257-10
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 15:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 15:35	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		05/09/24 10:34	05/09/24 15:35	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		05/09/24 10:34	05/09/24 15:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 15:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/24 10:34	05/09/24 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*05/09/24 10:34*	*05/09/24 15:35*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 10:34*	*05/09/24 15:35*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (3')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/09/24 15:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/10/24 13:02	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	<49.9	U	49.9		mg/Kg		05/08/24 16:45	05/10/24 13:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:45	05/10/24 13:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:45	05/10/24 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/08/24 16:45*	*05/10/24 13:02*	*1*
o-Terphenyl	*116*		*70 - 130*	*05/08/24 16:45*	*05/10/24 13:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.6**		4.97		mg/Kg			05/09/24 12:33	1

Client Sample ID: T-2 (4')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-11
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		05/09/24 10:34	05/09/24 17:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 17:26	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		05/09/24 10:34	05/09/24 17:26	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		05/09/24 10:34	05/09/24 17:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 17:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:34	05/09/24 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/09/24 10:34*	*05/09/24 17:26*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/09/24 10:34*	*05/09/24 17:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/09/24 17:26	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			05/10/24 13:23	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	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 13:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 13:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (4')

Lab Sample ID: 880-43257-11
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:45	05/10/24 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*05/08/24 16:45*	*05/10/24 13:23*	*1*
o-Terphenyl	*110*		*70 - 130*	*05/08/24 16:45*	*05/10/24 13:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.97**		5.03		mg/Kg			05/09/24 12:52	1

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

Lab Sample ID: 880-43257-12
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 17:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:34	05/09/24 17:47	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		05/09/24 10:34	05/09/24 17:47	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		05/09/24 10:34	05/09/24 17:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:34	05/09/24 17:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 10:34	05/09/24 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/09/24 10:34*	*05/09/24 17:47*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/09/24 10:34*	*05/09/24 17:47*	*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			05/09/24 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/10/24 13:43	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		05/08/24 16:45	05/10/24 13:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 13:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/08/24 16:45*	*05/10/24 13:43*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/08/24 16:45*	*05/10/24 13:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7440**		49.9		mg/Kg			05/09/24 12:58	10

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-43257-13
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 18:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:34	05/09/24 18:07	1
Ethylbenzene	<0.00202	U *+	0.00202		mg/Kg		05/09/24 10:34	05/09/24 18:07	1
m-Xylene & p-Xylene	<0.00404	U *+	0.00404		mg/Kg		05/09/24 10:34	05/09/24 18:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:34	05/09/24 18:07	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/09/24 10:34	05/09/24 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*05/09/24 10:34*	*05/09/24 18:07*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*05/09/24 10:34*	*05/09/24 18:07*	*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			05/09/24 18:07	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			05/10/24 14:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 14:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 14:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/08/24 16:45*	*05/10/24 14:03*	*1*
o-Terphenyl	*121*		*70 - 130*	*05/08/24 16:45*	*05/10/24 14:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3350**		25.1		mg/Kg			05/09/24 13:04	5

Client Sample ID: T-3 (2')

Lab Sample ID: 880-43257-14
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 18:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 18:28	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		05/09/24 10:34	05/09/24 18:28	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		05/09/24 10:34	05/09/24 18:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 18:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:34	05/09/24 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/09/24 10:34*	*05/09/24 18:28*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/09/24 10:34*	*05/09/24 18:28*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (2')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/09/24 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/10/24 14:23	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	<49.7	U	49.7		mg/Kg		05/08/24 16:45	05/10/24 14:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:45	05/10/24 14:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:45	05/10/24 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/08/24 16:45*	*05/10/24 14:23*	*1*
o-Terphenyl	*120*		*70 - 130*	*05/08/24 16:45*	*05/10/24 14:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**898**		5.00		mg/Kg			05/09/24 13:10	1

Client Sample ID: T-3 (3')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 18:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 18:48	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		05/09/24 10:34	05/09/24 18:48	1
m-Xylene & p-Xylene	<0.00400	U *+	0.00400		mg/Kg		05/09/24 10:34	05/09/24 18:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 18:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 10:34	05/09/24 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*05/09/24 10:34*	*05/09/24 18:48*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/09/24 10:34*	*05/09/24 18:48*	*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			05/09/24 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/10/24 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/08/24 16:45	05/10/24 14:44	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:45	05/10/24 14:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (3')

Lab Sample ID: 880-43257-15
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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		05/08/24 16:45	05/10/24 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/08/24 16:45*	*05/10/24 14:44*	*1*
o-Terphenyl	*120*		*70 - 130*	*05/08/24 16:45*	*05/10/24 14:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.9**		5.02		mg/Kg			05/09/24 13:16	1

Client Sample ID: T-3 (4')

Lab Sample ID: 880-43257-16
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 19:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 19:09	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		05/09/24 10:34	05/09/24 19:09	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		05/09/24 10:34	05/09/24 19:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 19:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:34	05/09/24 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/09/24 10:34*	*05/09/24 19:09*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/09/24 10:34*	*05/09/24 19:09*	*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			05/09/24 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/10/24 15:04	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	<49.6	U	49.6		mg/Kg		05/08/24 16:45	05/10/24 15:04	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:45	05/10/24 15:04	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:45	05/10/24 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/08/24 16:45*	*05/10/24 15:04*	*1*
o-Terphenyl	*127*		*70 - 130*	*05/08/24 16:45*	*05/10/24 15:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.0**		5.05		mg/Kg			05/09/24 13:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-17
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 19:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 19:29	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		05/09/24 10:34	05/09/24 19:29	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		05/09/24 10:34	05/09/24 19:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 19:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/24 10:34	05/09/24 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*05/09/24 10:34*	*05/09/24 19:29*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*05/09/24 10:34*	*05/09/24 19:29*	*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			05/09/24 19:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/10/24 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	<49.6	U	49.6		mg/Kg		05/08/24 16:45	05/10/24 15:52	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:45	05/10/24 15:52	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:45	05/10/24 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/08/24 16:45*	*05/10/24 15:52*	*1*
o-Terphenyl	*116*		*70 - 130*	*05/08/24 16:45*	*05/10/24 15:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**306**		4.95		mg/Kg			05/09/24 13:29	1

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-43257-18
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 19:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 19:50	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		05/09/24 10:34	05/09/24 19:50	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		05/09/24 10:34	05/09/24 19:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 19:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:34	05/09/24 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/09/24 10:34*	*05/09/24 19:50*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/09/24 10:34*	*05/09/24 19:50*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-43257-18
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 19:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			05/10/24 16:12	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	<49.5	U	49.5		mg/Kg		05/08/24 16:45	05/10/24 16:12	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		05/08/24 16:45	05/10/24 16:12	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		05/08/24 16:45	05/10/24 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*05/08/24 16:45*	*05/10/24 16:12*	*1*
o-Terphenyl	*111*		*70 - 130*	*05/08/24 16:45*	*05/10/24 16:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**309**		4.97		mg/Kg			05/09/24 13:15	1

Client Sample ID: T-4 (2')

Lab Sample ID: 880-43257-19
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 20:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 20:11	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		05/09/24 10:34	05/09/24 20:11	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		05/09/24 10:34	05/09/24 20:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 20:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/24 10:34	05/09/24 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/09/24 10:34*	*05/09/24 20:11*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 10:34*	*05/09/24 20:11*	*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			05/09/24 20:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/10/24 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/08/24 16:45	05/10/24 16:33	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:45	05/10/24 16:33	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-4 (2')

Lab Sample ID: 880-43257-19
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:45	05/10/24 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*05/08/24 16:45*	*05/10/24 16:33*	*1*
o-Terphenyl	*128*		*70 - 130*	*05/08/24 16:45*	*05/10/24 16:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1010**		4.97		mg/Kg			05/09/24 13:32	1

Client Sample ID: T-4 (3')

Lab Sample ID: 880-43257-20
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:34	05/09/24 20:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 20:31	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		05/09/24 10:34	05/09/24 20:31	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		05/09/24 10:34	05/09/24 20:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:34	05/09/24 20:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:34	05/09/24 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*05/09/24 10:34*	*05/09/24 20:31*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/09/24 10:34*	*05/09/24 20:31*	*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			05/09/24 20:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/10/24 16:53	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	<49.6	U	49.6		mg/Kg		05/08/24 16:45	05/10/24 16:53	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:45	05/10/24 16:53	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:45	05/10/24 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/08/24 16:45*	*05/10/24 16:53*	*1*
o-Terphenyl	*117*		*70 - 130*	*05/08/24 16:45*	*05/10/24 16:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**702**		4.99		mg/Kg			05/09/24 13:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-4 (4')

Lab Sample ID: 880-43257-21
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/09/24 16:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:36	05/09/24 16:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:36	05/09/24 16:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 10:36	05/09/24 16:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:36	05/09/24 16:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 10:36	05/09/24 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/09/24 10:36*	*05/09/24 16:43*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*05/09/24 10:36*	*05/09/24 16:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/09/24 16:43	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			05/10/24 17:13	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	<49.7	U	49.7		mg/Kg		05/08/24 16:45	05/10/24 17:13	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:45	05/10/24 17:13	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:45	05/10/24 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*05/08/24 16:45*	*05/10/24 17:13*	*1*
o-Terphenyl	*108*		*70 - 130*	*05/08/24 16:45*	*05/10/24 17:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.0**		4.98		mg/Kg			05/09/24 13:43	1

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

Lab Sample ID: 880-43257-22
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/09/24 17:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 17:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 17:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/09/24 10:36	05/09/24 17:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 17:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/24 10:36	05/09/24 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*05/09/24 10:36*	*05/09/24 17:10*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/24 10:36*	*05/09/24 17:10*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-22
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/09/24 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/10/24 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	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 17:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 17:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/08/24 16:45*	*05/10/24 17:34*	*1*
o-Terphenyl	*115*		*70 - 130*	*05/08/24 16:45*	*05/10/24 17:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3090**		25.2		mg/Kg			05/09/24 13:48	5

Client Sample ID: T-5 (1.5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-23
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		05/09/24 10:36	05/09/24 17:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 17:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 17:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/09/24 10:36	05/09/24 17:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 17:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/24 10:36	05/09/24 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/09/24 10:36*	*05/09/24 17:37*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/09/24 10:36*	*05/09/24 17:37*	*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			05/09/24 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/10/24 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	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 17:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 17:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-43257-23
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:45	05/10/24 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*05/08/24 16:45*	*05/10/24 17:54*	*1*
o-Terphenyl	*112*		*70 - 130*	*05/08/24 16:45*	*05/10/24 17:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1610**		25.3		mg/Kg			05/09/24 14:05	5

Client Sample ID: T-5 (2')

Lab Sample ID: 880-43257-24
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/09/24 18:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/09/24 18:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/09/24 18:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/09/24 18:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/09/24 18:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/09/24 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/09/24 10:36*	*05/09/24 18:04*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/09/24 10:36*	*05/09/24 18:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/09/24 18:04	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			05/10/24 18:15	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	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 18:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 18:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/08/24 16:45*	*05/10/24 18:15*	*1*
o-Terphenyl	*116*		*70 - 130*	*05/08/24 16:45*	*05/10/24 18:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**757**		5.00		mg/Kg			05/09/24 14:10	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-5 (3')

Lab Sample ID: 880-43257-25
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/09/24 18:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:36	05/09/24 18:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:36	05/09/24 18:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/09/24 10:36	05/09/24 18:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:36	05/09/24 18:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/09/24 10:36	05/09/24 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/09/24 10:36*	*05/09/24 18:31*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 10:36*	*05/09/24 18:31*	*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			05/09/24 18:31	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			05/10/24 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/08/24 16:45	05/10/24 18:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:45	05/10/24 18:35	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:45	05/10/24 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/08/24 16:45*	*05/10/24 18:35*	*1*
o-Terphenyl	*120*		*70 - 130*	*05/08/24 16:45*	*05/10/24 18:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**		4.99		mg/Kg			05/09/24 14:15	1

Client Sample ID: T-5 (4')

Lab Sample ID: 880-43257-26
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/09/24 18:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/09/24 18:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/09/24 18:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/09/24 18:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/09/24 18:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/09/24 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/09/24 10:36*	*05/09/24 18:58*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 10:36*	*05/09/24 18:58*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-5 (4')

Lab Sample ID: 880-43257-26
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 18:58	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			05/10/24 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 18:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 18:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:45	05/10/24 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*05/08/24 16:45*	*05/10/24 18:56*	*1*
o-Terphenyl	*114*		*70 - 130*	*05/08/24 16:45*	*05/10/24 18:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.10**		5.00		mg/Kg			05/09/24 14:21	1

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-43257-27
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/09/24 19:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 19:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 19:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 10:36	05/09/24 19:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 19:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 10:36	05/09/24 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/09/24 10:36*	*05/09/24 19:25*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 10:36*	*05/09/24 19:25*	*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			05/09/24 19:25	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			05/10/24 11:19	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		05/08/24 16:41	05/10/24 11:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		05/08/24 16:41	05/10/24 11:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-43257-27
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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 16:41	05/10/24 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*05/08/24 16:41*	*05/10/24 11:19*	*1*
o-Terphenyl	*126*		*70 - 130*	*05/08/24 16:41*	*05/10/24 11:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5980**		50.2		mg/Kg			05/09/24 14:26	10

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-43257-28
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/09/24 19:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:36	05/09/24 19:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:36	05/09/24 19:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 10:36	05/09/24 19:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:36	05/09/24 19:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 10:36	05/09/24 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/09/24 10:36*	*05/09/24 19:52*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 10:36*	*05/09/24 19:52*	*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			05/09/24 19:52	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			05/10/24 12:21	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		05/08/24 16:41	05/10/24 12:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:41	05/10/24 12:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:41	05/10/24 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/08/24 16:41*	*05/10/24 12:21*	*1*
o-Terphenyl	*101*		*70 - 130*	*05/08/24 16:41*	*05/10/24 12:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**239**		4.98		mg/Kg			05/09/24 14:32	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-6 (2')

Lab Sample ID: 880-43257-29
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/09/24 20:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:36	05/09/24 20:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:36	05/09/24 20:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/09/24 10:36	05/09/24 20:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:36	05/09/24 20:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/24 10:36	05/09/24 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/09/24 10:36*	*05/09/24 20:19*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/09/24 10:36*	*05/09/24 20:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/09/24 20:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/10/24 12:41	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	<49.7	U	49.7		mg/Kg		05/08/24 16:41	05/10/24 12:41	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:41	05/10/24 12:41	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:41	05/10/24 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*05/08/24 16:41*	*05/10/24 12:41*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/08/24 16:41*	*05/10/24 12:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**156**		4.98		mg/Kg			05/09/24 14:48	1

Client Sample ID: T-6 (3')

Lab Sample ID: 880-43257-30
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/09/24 20:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 20:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 20:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/09/24 10:36	05/09/24 20:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 20:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/24 10:36	05/09/24 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/09/24 10:36*	*05/09/24 20:45*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/09/24 10:36*	*05/09/24 20:45*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-6 (3')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-30
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/09/24 20:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/10/24 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/08/24 16:41	05/10/24 13:02	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:41	05/10/24 13:02	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:41	05/10/24 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*05/08/24 16:41*	*05/10/24 13:02*	*1*
o-Terphenyl	*109*		*70 - 130*	*05/08/24 16:41*	*05/10/24 13:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		5.03		mg/Kg			05/09/24 14:53	1

Client Sample ID: T-6 (4')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-31
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		05/09/24 10:36	05/09/24 22:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/09/24 22:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/09/24 22:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/09/24 22:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/09/24 22:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/09/24 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/09/24 10:36*	*05/09/24 22:31*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*05/09/24 10:36*	*05/09/24 22:31*	*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			05/09/24 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/10/24 13:23	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	<49.6	U	49.6		mg/Kg		05/08/24 16:41	05/10/24 13:23	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:41	05/10/24 13:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-6 (4')

Lab Sample ID: 880-43257-31
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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 16:41	05/10/24 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*05/08/24 16:41*	*05/10/24 13:23*	*1*
o-Terphenyl	*110*		*70 - 130*	*05/08/24 16:41*	*05/10/24 13:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**98.9**		4.97		mg/Kg			05/09/24 15:10	1

Client Sample ID: T-6 (5')

Lab Sample ID: 880-43257-32
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/09/24 22:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:36	05/09/24 22:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:36	05/09/24 22:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 10:36	05/09/24 22:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:36	05/09/24 22:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 10:36	05/09/24 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*05/09/24 10:36*	*05/09/24 22:58*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 10:36*	*05/09/24 22:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/09/24 22:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			05/10/24 13:43	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	<49.5	U	49.5		mg/Kg		05/08/24 16:41	05/10/24 13:43	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		05/08/24 16:41	05/10/24 13:43	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		05/08/24 16:41	05/10/24 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/08/24 16:41*	*05/10/24 13:43*	*1*
o-Terphenyl	*87*		*70 - 130*	*05/08/24 16:41*	*05/10/24 13:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3320**		25.1		mg/Kg			05/09/24 15:15	5

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-6 (6')

Lab Sample ID: 880-43257-33
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/09/24 23:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:36	05/09/24 23:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:36	05/09/24 23:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/09/24 10:36	05/09/24 23:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:36	05/09/24 23:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/09/24 10:36	05/09/24 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/09/24 10:36*	*05/09/24 23:25*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/09/24 10:36*	*05/09/24 23:25*	*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			05/09/24 23:25	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			05/10/24 14:03	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		05/08/24 16:41	05/10/24 14:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:41	05/10/24 14:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:41	05/10/24 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*05/08/24 16:41*	*05/10/24 14:03*	*1*
o-Terphenyl	*97*		*70 - 130*	*05/08/24 16:41*	*05/10/24 14:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.9**		4.99		mg/Kg			05/09/24 15:21	1

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-43257-34
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/09/24 23:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/09/24 23:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/09/24 23:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/09/24 23:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/09/24 23:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/09/24 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/09/24 10:36*	*05/09/24 23:51*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/24 10:36*	*05/09/24 23:51*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-43257-34
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 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	<49.8	U	49.8		mg/Kg			05/10/24 14:23	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	<49.8	U	49.8		mg/Kg		05/08/24 16:41	05/10/24 14:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:41	05/10/24 14:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:41	05/10/24 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/08/24 16:41*	*05/10/24 14:23*	*1*
o-Terphenyl	*109*		*70 - 130*	*05/08/24 16:41*	*05/10/24 14:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.8**		5.01		mg/Kg			05/09/24 15:26	1

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-43257-35
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/10/24 00:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/10/24 00:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/10/24 00:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 10:36	05/10/24 00:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/10/24 00:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 10:36	05/10/24 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/09/24 10:36*	*05/10/24 00:18*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 10:36*	*05/10/24 00:18*	*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			05/10/24 00:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/10/24 14:44	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 16:41	05/10/24 14:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:41	05/10/24 14:44	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-43257-35
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:41	05/10/24 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*05/08/24 16:41*	*05/10/24 14:44*	*1*
o-Terphenyl	*96*		*70 - 130*	*05/08/24 16:41*	*05/10/24 14:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.0**		4.97		mg/Kg			05/09/24 15:32	1

Client Sample ID: T-7 (2')

Lab Sample ID: 880-43257-36
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/10/24 00:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/10/24 00:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/10/24 00:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/10/24 00:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/10/24 00:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/10/24 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*05/09/24 10:36*	*05/10/24 00:44*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 10:36*	*05/10/24 00:44*	*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			05/10/24 00:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/10/24 15:04	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 16:41	05/10/24 15:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:41	05/10/24 15:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:41	05/10/24 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/08/24 16:41*	*05/10/24 15:04*	*1*
o-Terphenyl	*93*		*70 - 130*	*05/08/24 16:41*	*05/10/24 15:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.41**		5.03		mg/Kg			05/09/24 15:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-7 (3')

Lab Sample ID: 880-43257-37
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/10/24 01:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/10/24 01:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/10/24 01:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/09/24 10:36	05/10/24 01:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/10/24 01:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/24 10:36	05/10/24 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*05/09/24 10:36*	*05/10/24 01:11*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*05/09/24 10:36*	*05/10/24 01:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/10/24 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	<49.9	U	49.9		mg/Kg			05/10/24 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	<49.9	U	49.9		mg/Kg		05/08/24 16:41	05/10/24 15:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:41	05/10/24 15:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:41	05/10/24 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*05/08/24 16:41*	*05/10/24 15:52*	*1*
o-Terphenyl	*109*		*70 - 130*	*05/08/24 16:41*	*05/10/24 15:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**70.0**		25.1		mg/Kg			05/09/24 15:42	5

Client Sample ID: T-7 (4')

Lab Sample ID: 880-43257-38
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/10/24 01:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/10/24 01:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/10/24 01:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/10/24 01:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/10/24 01:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/10/24 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/09/24 10:36*	*05/10/24 01:38*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 10:36*	*05/10/24 01:38*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-7 (4')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-38
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/10/24 01:38	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			05/10/24 16:12	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		05/08/24 16:41	05/10/24 16:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:41	05/10/24 16:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:41	05/10/24 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*05/08/24 16:41*	*05/10/24 16:12*	*1*
o-Terphenyl	*104*		*70 - 130*	*05/08/24 16:41*	*05/10/24 16:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.4**		5.02		mg/Kg			05/09/24 13:03	1

Client Sample ID: T-8 (0-1')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-39
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		05/09/24 10:36	05/10/24 02:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/10/24 02:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/10/24 02:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/09/24 10:36	05/10/24 02:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/10/24 02:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/24 10:36	05/10/24 02:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/09/24 10:36*	*05/10/24 02:04*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*05/09/24 10:36*	*05/10/24 02:04*	*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			05/10/24 02:04	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			05/10/24 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:41	05/10/24 16:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:41	05/10/24 16:33	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-8 (0-1')

Lab Sample ID: 880-43257-39
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:41	05/10/24 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*05/08/24 16:41*	*05/10/24 16:33*	*1*
o-Terphenyl	*97*		*70 - 130*	*05/08/24 16:41*	*05/10/24 16:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6300**		50.2		mg/Kg			05/09/24 13:22	10

Client Sample ID: T-8 (1.5')

Lab Sample ID: 880-43257-40
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:36	05/10/24 02:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/10/24 02:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/10/24 02:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/10/24 02:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:36	05/10/24 02:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:36	05/10/24 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*05/09/24 10:36*	*05/10/24 02:31*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*05/09/24 10:36*	*05/10/24 02:31*	*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			05/10/24 02:31	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			05/10/24 16:53	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	<49.7	U	49.7		mg/Kg		05/08/24 16:41	05/10/24 16:53	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:41	05/10/24 16:53	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:41	05/10/24 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*05/08/24 16:41*	*05/10/24 16:53*	*1*
o-Terphenyl	*111*		*70 - 130*	*05/08/24 16:41*	*05/10/24 16:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**139**		5.02		mg/Kg			05/09/24 13:29	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-8 (2')

Lab Sample ID: 880-43257-41
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 00:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:41	05/10/24 00:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:41	05/10/24 00:10	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		05/09/24 10:41	05/10/24 00:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:41	05/10/24 00:10	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		05/09/24 10:41	05/10/24 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/09/24 10:41*	*05/10/24 00:10*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 10:41*	*05/10/24 00:10*	*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			05/10/24 00:10	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			05/10/24 17:13	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	<49.7	U	49.7		mg/Kg		05/08/24 16:41	05/10/24 17:13	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:41	05/10/24 17:13	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:41	05/10/24 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/08/24 16:41*	*05/10/24 17:13*	*1*
o-Terphenyl	*111*		*70 - 130*	*05/08/24 16:41*	*05/10/24 17:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**136**		5.01		mg/Kg			05/09/24 13:35	1

Client Sample ID: T-8 (3')

Lab Sample ID: 880-43257-42
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 00:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 00:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 00:30	1
m-Xylene & p-Xylene	<0.00404	U *+	0.00404		mg/Kg		05/09/24 10:41	05/10/24 00:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 00:30	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		05/09/24 10:41	05/10/24 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/09/24 10:41*	*05/10/24 00:30*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*05/09/24 10:41*	*05/10/24 00:30*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-8 (3')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-42
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/10/24 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	<49.6	U	49.6		mg/Kg			05/10/24 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	<49.6	U	49.6		mg/Kg		05/08/24 16:41	05/10/24 17:34	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:41	05/10/24 17:34	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:41	05/10/24 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*05/08/24 16:41*	*05/10/24 17:34*	*1*
o-Terphenyl	*98*		*70 - 130*	*05/08/24 16:41*	*05/10/24 17:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**70.1**		5.03		mg/Kg			05/09/24 13:41	1

Client Sample ID: T-8 (4')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-43
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		05/09/24 10:41	05/10/24 00:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 00:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 00:51	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		05/09/24 10:41	05/10/24 00:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 00:51	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		05/09/24 10:41	05/10/24 00:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*05/09/24 10:41*	*05/10/24 00:51*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 10:41*	*05/10/24 00:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/10/24 00:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			05/10/24 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	<49.5	U	49.5		mg/Kg		05/08/24 16:41	05/10/24 17:54	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		05/08/24 16:41	05/10/24 17:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-8 (4')

Lab Sample ID: 880-43257-43
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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)	<49.5	U	49.5		mg/Kg		05/08/24 16:41	05/10/24 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/08/24 16:41*	*05/10/24 17:54*	*1*
o-Terphenyl	*105*		*70 - 130*	*05/08/24 16:41*	*05/10/24 17:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1180**		25.1		mg/Kg			05/09/24 14:00	5

Client Sample ID: T-8 (5')

Lab Sample ID: 880-43257-44
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 01:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:41	05/10/24 01:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:41	05/10/24 01:11	1
m-Xylene & p-Xylene	<0.00397	U *+	0.00397		mg/Kg		05/09/24 10:41	05/10/24 01:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:41	05/10/24 01:11	1
Xylenes, Total	<0.00397	U *+	0.00397		mg/Kg		05/09/24 10:41	05/10/24 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*05/09/24 10:41*	*05/10/24 01:11*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*05/09/24 10:41*	*05/10/24 01:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/10/24 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	<49.6	U	49.6		mg/Kg			05/10/24 18:15	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	<49.6	U	49.6		mg/Kg		05/08/24 16:41	05/10/24 18:15	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:41	05/10/24 18:15	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:41	05/10/24 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/08/24 16:41*	*05/10/24 18:15*	*1*
o-Terphenyl	*109*		*70 - 130*	*05/08/24 16:41*	*05/10/24 18:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**186**		5.03		mg/Kg			05/09/24 14:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (0-1')

Lab Sample ID: 880-43257-45
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 01:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 01:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 01:32	1
m-Xylene & p-Xylene	<0.00403	U *+	0.00403		mg/Kg		05/09/24 10:41	05/10/24 01:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 01:32	1
Xylenes, Total	<0.00403	U *+	0.00403		mg/Kg		05/09/24 10:41	05/10/24 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/09/24 10:41*	*05/10/24 01:32*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/09/24 10:41*	*05/10/24 01:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/10/24 01:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/10/24 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/08/24 16:41	05/10/24 18:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:41	05/10/24 18:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:41	05/10/24 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/08/24 16:41*	*05/10/24 18:35*	*1*
o-Terphenyl	*110*		*70 - 130*	*05/08/24 16:41*	*05/10/24 18:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2960**		101		mg/Kg			05/09/24 14:13	20

Client Sample ID: T-9 (1.5')

Lab Sample ID: 880-43257-46
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 01:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:41	05/10/24 01:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:41	05/10/24 01:52	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		05/09/24 10:41	05/10/24 01:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:41	05/10/24 01:52	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		05/09/24 10:41	05/10/24 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/09/24 10:41*	*05/10/24 01:52*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/09/24 10:41*	*05/10/24 01:52*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (1.5')

Lab Sample ID: 880-43257-46
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 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	<50.0	U	50.0		mg/Kg			05/10/24 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/08/24 16:41	05/10/24 18:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:41	05/10/24 18:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:41	05/10/24 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*05/08/24 16:41*	*05/10/24 18:56*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/08/24 16:41*	*05/10/24 18:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4610**		50.3		mg/Kg			05/09/24 14:19	10

Client Sample ID: T-9 (2')

Lab Sample ID: 880-43257-47
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 02:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 02:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 02:13	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		05/09/24 10:41	05/10/24 02:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 02:13	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		05/09/24 10:41	05/10/24 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*05/09/24 10:41*	*05/10/24 02:13*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/09/24 10:41*	*05/10/24 02:13*	*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			05/10/24 02:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/10/24 20:37	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 F2	49.8		mg/Kg		05/08/24 16:38	05/10/24 20:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8		mg/Kg		05/08/24 16:38	05/10/24 20:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (2')

Lab Sample ID: 880-43257-47
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:38	05/10/24 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*05/08/24 16:38*	*05/10/24 20:37*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*05/08/24 16:38*	*05/10/24 20:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2580**		25.1		mg/Kg			05/09/24 14:25	5

Client Sample ID: T-9 (3')

Lab Sample ID: 880-43257-48
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 02:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:41	05/10/24 02:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:41	05/10/24 02:33	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		05/09/24 10:41	05/10/24 02:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:41	05/10/24 02:33	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		05/09/24 10:41	05/10/24 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/09/24 10:41*	*05/10/24 02:33*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 10:41*	*05/10/24 02:33*	*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			05/10/24 02:33	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			05/10/24 21:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/10/24 21:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/10/24 21:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/10/24 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/08/24 16:38*	*05/10/24 21:38*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/08/24 16:38*	*05/10/24 21:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**833**	**F1**	5.05		mg/Kg			05/09/24 14:32	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (4')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-49
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		05/09/24 10:41	05/10/24 02:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 02:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 02:54	1
m-Xylene & p-Xylene	<0.00400	U *+	0.00400		mg/Kg		05/09/24 10:41	05/10/24 02:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 02:54	1
Xylenes, Total	<0.00400	U *+	0.00400		mg/Kg		05/09/24 10:41	05/10/24 02:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*05/09/24 10:41*	*05/10/24 02:54*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 10:41*	*05/10/24 02:54*	*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			05/10/24 02:54	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			05/10/24 21:59	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		05/08/24 16:38	05/10/24 21:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:38	05/10/24 21:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:38	05/10/24 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/08/24 16:38*	*05/10/24 21:59*	*1*
o-Terphenyl	*97*		*70 - 130*	*05/08/24 16:38*	*05/10/24 21:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1540**		50.4		mg/Kg			05/09/24 14:50	10

Client Sample ID: T-9 (5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-50
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:41	05/10/24 03:14	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:41	05/10/24 03:14	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:41	05/10/24 03:14	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		05/09/24 10:41	05/10/24 03:14	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:41	05/10/24 03:14	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		05/09/24 10:41	05/10/24 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*05/09/24 10:41*	*05/10/24 03:14*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*05/09/24 10:41*	*05/10/24 03:14*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-50
Matrix: Solid

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			05/10/24 03:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/10/24 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/08/24 16:38	05/10/24 22:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:38	05/10/24 22:19	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:38	05/10/24 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*05/08/24 16:38*	*05/10/24 22:19*	*1*
o-Terphenyl	*115*		*70 - 130*	*05/08/24 16:38*	*05/10/24 22:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**528**		25.1		mg/Kg			05/09/24 14:57	5

Client Sample ID: T-9 (6')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-51
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 05:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 05:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 05:04	1
m-Xylene & p-Xylene	<0.00404	U *+	0.00404		mg/Kg		05/09/24 10:41	05/10/24 05:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 05:04	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		05/09/24 10:41	05/10/24 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/09/24 10:41*	*05/10/24 05:04*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 10:41*	*05/10/24 05:04*	*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			05/10/24 05:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/10/24 22:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/08/24 16:38	05/10/24 22:41	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:38	05/10/24 22:41	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (6')

Lab Sample ID: 880-43257-51
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 16:38	05/10/24 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*05/08/24 16:38*	*05/10/24 22:41*	*1*
o-Terphenyl	*99*		*70 - 130*	*05/08/24 16:38*	*05/10/24 22:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1140**		25.1		mg/Kg			05/09/24 15:16	5

Client Sample ID: T-10 (0-1')

Lab Sample ID: 880-43257-52
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 05:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 05:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 05:25	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		05/09/24 10:41	05/10/24 05:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 05:25	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		05/09/24 10:41	05/10/24 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/09/24 10:41*	*05/10/24 05:25*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/09/24 10:41*	*05/10/24 05:25*	*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			05/10/24 05:25	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			05/10/24 23:01	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	<49.6	U	49.6		mg/Kg		05/08/24 16:38	05/10/24 23:01	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:38	05/10/24 23:01	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:38	05/10/24 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*05/08/24 16:38*	*05/10/24 23:01*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/08/24 16:38*	*05/10/24 23:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6170**		50.3		mg/Kg			05/09/24 15:22	10

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-10 (1.5')

Lab Sample ID: 880-43257-53
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 05:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:41	05/10/24 05:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:41	05/10/24 05:45	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		05/09/24 10:41	05/10/24 05:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:41	05/10/24 05:45	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		05/09/24 10:41	05/10/24 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/09/24 10:41*	*05/10/24 05:45*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 10:41*	*05/10/24 05:45*	*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			05/10/24 05:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/10/24 23:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:38	05/10/24 23:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:38	05/10/24 23:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:38	05/10/24 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*05/08/24 16:38*	*05/10/24 23:22*	*1*
o-Terphenyl	*113*		*70 - 130*	*05/08/24 16:38*	*05/10/24 23:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3500**		24.9		mg/Kg			05/09/24 15:28	5

Client Sample ID: T-10 (2')

Lab Sample ID: 880-43257-54
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 06:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 06:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 06:06	1
m-Xylene & p-Xylene	<0.00404	U *+	0.00404		mg/Kg		05/09/24 10:41	05/10/24 06:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 06:06	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		05/09/24 10:41	05/10/24 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*05/09/24 10:41*	*05/10/24 06:06*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/09/24 10:41*	*05/10/24 06:06*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-10 (2')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-54
Matrix: Solid

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			05/10/24 06:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/10/24 23:43	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		05/08/24 16:38	05/10/24 23:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:38	05/10/24 23:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:38	05/10/24 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*05/08/24 16:38*	*05/10/24 23:43*	*1*
o-Terphenyl	*100*		*70 - 130*	*05/08/24 16:38*	*05/10/24 23:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**320**		5.02		mg/Kg			05/09/24 15:35	1

Client Sample ID: T-10 (3')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-55
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 06:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 06:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 06:26	1
m-Xylene & p-Xylene	<0.00403	U *+	0.00403		mg/Kg		05/09/24 10:41	05/10/24 06:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 06:26	1
Xylenes, Total	<0.00403	U *+	0.00403		mg/Kg		05/09/24 10:41	05/10/24 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/09/24 10:41*	*05/10/24 06:26*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 10:41*	*05/10/24 06:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/10/24 06:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/11/24 00:04	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 16:38	05/11/24 00:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:38	05/11/24 00:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-10 (3')

Lab Sample ID: 880-43257-55
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 16:38	05/11/24 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/08/24 16:38*	*05/11/24 00:04*	*1*
o-Terphenyl	*101*		*70 - 130*	*05/08/24 16:38*	*05/11/24 00:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.0**		5.04		mg/Kg			05/09/24 15:41	1

Client Sample ID: T-10 (4')

Lab Sample ID: 880-43257-56
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 06:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 06:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 06:47	1
m-Xylene & p-Xylene	<0.00404	U *+	0.00404		mg/Kg		05/09/24 10:41	05/10/24 06:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:41	05/10/24 06:47	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		05/09/24 10:41	05/10/24 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*05/09/24 10:41*	*05/10/24 06:47*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*05/09/24 10:41*	*05/10/24 06:47*	*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			05/10/24 06:47	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			05/11/24 00:24	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	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/11/24 00:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/11/24 00:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/11/24 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*05/08/24 16:38*	*05/11/24 00:24*	*1*
o-Terphenyl	*112*		*70 - 130*	*05/08/24 16:38*	*05/11/24 00:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.1**		5.03		mg/Kg			05/09/24 15:47	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (0-1')

Lab Sample ID: 880-43257-57
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 07:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 07:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 07:07	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		05/09/24 10:41	05/10/24 07:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 07:07	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		05/09/24 10:41	05/10/24 07:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*05/09/24 10:41*	*05/10/24 07:07*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 10:41*	*05/10/24 07:07*	*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			05/10/24 07:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/11/24 01:04	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	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/11/24 01:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/11/24 01:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/11/24 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*05/08/24 16:38*	*05/11/24 01:04*	*1*
o-Terphenyl	*117*		*70 - 130*	*05/08/24 16:38*	*05/11/24 01:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8960**		100		mg/Kg			05/09/24 15:53	20

Client Sample ID: T-11 (1.5')

Lab Sample ID: 880-43257-58
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 07:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 07:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 07:28	1
m-Xylene & p-Xylene	<0.00400	U *+	0.00400		mg/Kg		05/09/24 10:41	05/10/24 07:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/10/24 07:28	1
Xylenes, Total	<0.00400	U *+	0.00400		mg/Kg		05/09/24 10:41	05/10/24 07:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*05/09/24 10:41*	*05/10/24 07:28*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*05/09/24 10:41*	*05/10/24 07:28*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (1.5')

Lab Sample ID: 880-43257-58
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 07:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/11/24 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	<49.8	U	49.8		mg/Kg		05/08/24 16:38	05/11/24 01:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:38	05/11/24 01:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:38	05/11/24 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*05/08/24 16:38*	*05/11/24 01:25*	*1*
o-Terphenyl	*122*		*70 - 130*	*05/08/24 16:38*	*05/11/24 01:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4870**		49.7		mg/Kg			05/10/24 01:46	10

Client Sample ID: T-11 (2')

Lab Sample ID: 880-43257-59
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 07:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:41	05/10/24 07:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:41	05/10/24 07:48	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		05/09/24 10:41	05/10/24 07:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:41	05/10/24 07:48	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		05/09/24 10:41	05/10/24 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*05/09/24 10:41*	*05/10/24 07:48*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*05/09/24 10:41*	*05/10/24 07:48*	*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			05/10/24 07:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/11/24 01:45	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	<49.7	U	49.7		mg/Kg		05/08/24 16:38	05/11/24 01:45	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:38	05/11/24 01:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (2')

Lab Sample ID: 880-43257-59
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 16:38	05/11/24 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*05/08/24 16:38*	*05/11/24 01:45*	*1*
o-Terphenyl	*122*		*70 - 130*	*05/08/24 16:38*	*05/11/24 01:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3530**		24.9		mg/Kg			05/10/24 02:02	5

Client Sample ID: T-11 (3')

Lab Sample ID: 880-43257-60
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:41	05/10/24 08:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:41	05/10/24 08:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:41	05/10/24 08:08	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		05/09/24 10:41	05/10/24 08:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:41	05/10/24 08:08	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		05/09/24 10:41	05/10/24 08:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/09/24 10:41*	*05/10/24 08:08*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/09/24 10:41*	*05/10/24 08:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/10/24 08:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/11/24 02:05	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	<49.7	U	49.7		mg/Kg		05/08/24 16:38	05/11/24 02:05	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:38	05/11/24 02:05	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:38	05/11/24 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/08/24 16:38*	*05/11/24 02:05*	*1*
o-Terphenyl	*120*		*70 - 130*	*05/08/24 16:38*	*05/11/24 02:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**636**		4.97		mg/Kg			05/10/24 02:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (4')

Lab Sample ID: 880-43257-61
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 06:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 06:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 06:30	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/09/24 10:45	05/10/24 06:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 06:30	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/24 10:45	05/10/24 06:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/09/24 10:45*	*05/10/24 06:30*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*05/09/24 10:45*	*05/10/24 06:30*	*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			05/10/24 06:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/11/24 02:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/08/24 16:38	05/11/24 02:26	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:38	05/11/24 02:26	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:38	05/11/24 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/08/24 16:38*	*05/11/24 02:26*	*1*
o-Terphenyl	*101*		*70 - 130*	*05/08/24 16:38*	*05/11/24 02:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1720**		25.0		mg/Kg			05/10/24 02:13	5

Client Sample ID: T-11 (5')

Lab Sample ID: 880-43257-62
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 06:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:45	05/10/24 06:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:45	05/10/24 06:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 10:45	05/10/24 06:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:45	05/10/24 06:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 10:45	05/10/24 06:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/09/24 10:45*	*05/10/24 06:56*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/09/24 10:45*	*05/10/24 06:56*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (5')

Lab Sample ID: 880-43257-62
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 06:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/11/24 02:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/08/24 16:38	05/11/24 02:46	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:38	05/11/24 02:46	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:38	05/11/24 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*05/08/24 16:38*	*05/11/24 02:46*	*1*
o-Terphenyl	*125*		*70 - 130*	*05/08/24 16:38*	*05/11/24 02:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2050**		25.0		mg/Kg			05/10/24 02:19	5

Client Sample ID: T-11 (6')

Lab Sample ID: 880-43257-63
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 07:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:45	05/10/24 07:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:45	05/10/24 07:23	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/09/24 10:45	05/10/24 07:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:45	05/10/24 07:23	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/24 10:45	05/10/24 07:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/09/24 10:45*	*05/10/24 07:23*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/09/24 10:45*	*05/10/24 07:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/10/24 07:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			05/11/24 03:06	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	<49.5	U	49.5		mg/Kg		05/08/24 16:38	05/11/24 03:06	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		05/08/24 16:38	05/11/24 03:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (6')

Lab Sample ID: 880-43257-63
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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)	<49.5	U	49.5		mg/Kg		05/08/24 16:38	05/11/24 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*05/08/24 16:38*	*05/11/24 03:06*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/08/24 16:38*	*05/11/24 03:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**568**		25.3		mg/Kg			05/10/24 02:35	5

Client Sample ID: T-11 (7')

Lab Sample ID: 880-43257-64
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 07:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:45	05/10/24 07:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:45	05/10/24 07:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 10:45	05/10/24 07:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:45	05/10/24 07:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:45	05/10/24 07:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/09/24 10:45*	*05/10/24 07:49*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*05/09/24 10:45*	*05/10/24 07:49*	*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			05/10/24 07:49	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			05/11/24 03:27	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	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/11/24 03:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/11/24 03:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/11/24 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/08/24 16:38*	*05/11/24 03:27*	*1*
o-Terphenyl	*94*		*70 - 130*	*05/08/24 16:38*	*05/11/24 03:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**769**		25.1		mg/Kg			05/10/24 02:40	5

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (8')

Lab Sample ID: 880-43257-65
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 08:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 08:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 08:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/09/24 10:45	05/10/24 08:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 08:16	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/09/24 10:45	05/10/24 08:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/09/24 10:45*	*05/10/24 08:16*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/09/24 10:45*	*05/10/24 08:16*	*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			05/10/24 08:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/11/24 03:47	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 16:38	05/11/24 03:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:38	05/11/24 03:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:38	05/11/24 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/08/24 16:38*	*05/11/24 03:47*	*1*
o-Terphenyl	*95*		*70 - 130*	*05/08/24 16:38*	*05/11/24 03:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**686**		24.9		mg/Kg			05/10/24 02:46	5

Client Sample ID: T-12 (0-1')

Lab Sample ID: 880-43257-66
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 08:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:45	05/10/24 08:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:45	05/10/24 08:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 10:45	05/10/24 08:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:45	05/10/24 08:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 10:45	05/10/24 08:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*05/09/24 10:45*	*05/10/24 08:42*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 10:45*	*05/10/24 08:42*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-12 (0-1')

Lab Sample ID: 880-43257-66
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 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	<49.7	U	49.7		mg/Kg			05/11/24 04:08	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	<49.7	U	49.7		mg/Kg		05/08/24 16:38	05/11/24 04:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:38	05/11/24 04:08	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:38	05/11/24 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/08/24 16:38*	*05/11/24 04:08*	*1*
o-Terphenyl	*92*		*70 - 130*	*05/08/24 16:38*	*05/11/24 04:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5380**		50.1		mg/Kg			05/10/24 02:51	10

Client Sample ID: T-12 (1.5')

Lab Sample ID: 880-43257-67
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 09:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 09:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 09:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/09/24 10:45	05/10/24 09:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 09:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/24 10:45	05/10/24 09:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/09/24 10:45*	*05/10/24 09:09*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 10:45*	*05/10/24 09:09*	*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			05/10/24 09:09	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			05/11/24 11:05	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 16:33	05/11/24 11:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		05/08/24 16:33	05/11/24 11:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-12 (1.5')

Lab Sample ID: 880-43257-67
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:33	05/11/24 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*05/08/24 16:33*	*05/11/24 11:05*	*1*
o-Terphenyl	*126*		*70 - 130*	*05/08/24 16:33*	*05/11/24 11:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3860**		24.9		mg/Kg			05/10/24 02:56	5

Client Sample ID: T-12 (2')

Lab Sample ID: 880-43257-68
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 09:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:45	05/10/24 09:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:45	05/10/24 09:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/09/24 10:45	05/10/24 09:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:45	05/10/24 09:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/09/24 10:45	05/10/24 09:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*05/09/24 10:45*	*05/10/24 09:36*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*05/09/24 10:45*	*05/10/24 09:36*	*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			05/10/24 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/11/24 12:06	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	<50.0	U	50.0		mg/Kg		05/08/24 16:33	05/11/24 12:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:33	05/11/24 12:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:33	05/11/24 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/08/24 16:33*	*05/11/24 12:06*	*1*
o-Terphenyl	*116*		*70 - 130*	*05/08/24 16:33*	*05/11/24 12:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1230**		5.03		mg/Kg			05/10/24 03:02	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-12 (3')

Lab Sample ID: 880-43257-69
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 10:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 10:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 10:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/09/24 10:45	05/10/24 10:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 10:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/24 10:45	05/10/24 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/09/24 10:45*	*05/10/24 10:28*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/09/24 10:45*	*05/10/24 10:28*	*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			05/10/24 10:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/11/24 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	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 12:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 12:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*05/08/24 16:33*	*05/11/24 12:26*	*1*
o-Terphenyl	*87*		*70 - 130*	*05/08/24 16:33*	*05/11/24 12:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		4.99		mg/Kg			05/10/24 03:18	1

Client Sample ID: T-12 (4')

Lab Sample ID: 880-43257-70
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 10:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 10:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 10:54	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/09/24 10:45	05/10/24 10:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 10:54	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/24 10:45	05/10/24 10:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/09/24 10:45*	*05/10/24 10:54*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/09/24 10:45*	*05/10/24 10:54*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-12 (4')

Lab Sample ID: 880-43257-70
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 10:54	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			05/11/24 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 12:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 12:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/08/24 16:33*	*05/11/24 12:46*	*1*
o-Terphenyl	*108*		*70 - 130*	*05/08/24 16:33*	*05/11/24 12:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1060**		24.9		mg/Kg			05/10/24 03:24	5

Client Sample ID: T-12 (5')

Lab Sample ID: 880-43257-71
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 12:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 12:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 12:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 10:45	05/10/24 12:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 12:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 10:45	05/10/24 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*05/09/24 10:45*	*05/10/24 12:40*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/09/24 10:45*	*05/10/24 12:40*	*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			05/10/24 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/24 10:44	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		05/08/24 16:33	05/12/24 10:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:33	05/12/24 10:44	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-12 (5')

Lab Sample ID: 880-43257-71
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 16:33	05/12/24 10:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*05/08/24 16:33*	*05/12/24 10:44*	*1*
o-Terphenyl	*109*		*70 - 130*	*05/08/24 16:33*	*05/12/24 10:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2080**		25.1		mg/Kg			05/10/24 03:40	5

Client Sample ID: T-12 (6')

Lab Sample ID: 880-43257-72
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 13:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:45	05/10/24 13:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:45	05/10/24 13:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 10:45	05/10/24 13:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:45	05/10/24 13:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:45	05/10/24 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*05/09/24 10:45*	*05/10/24 13:07*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/24 10:45*	*05/10/24 13:07*	*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			05/10/24 13:07	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			05/11/24 19:31	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		05/08/24 16:33	05/11/24 19:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 19:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/08/24 16:33*	*05/11/24 19:31*	*1*
o-Terphenyl	*117*		*70 - 130*	*05/08/24 16:33*	*05/11/24 19:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.6**		5.00		mg/Kg			05/10/24 03:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-12 (7')

Lab Sample ID: 880-43257-73
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 13:33	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 13:33	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 13:33	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/09/24 10:45	05/10/24 13:33	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 13:33	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/09/24 10:45	05/10/24 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*05/09/24 10:45*	*05/10/24 13:33*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 10:45*	*05/10/24 13:33*	*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			05/10/24 13:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/11/24 19:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 19:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 19:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/08/24 16:33*	*05/11/24 19:51*	*1*
o-Terphenyl	*105*		*70 - 130*	*05/08/24 16:33*	*05/11/24 19:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**163**		5.00		mg/Kg			05/10/24 03:51	1

Client Sample ID: T-13 (0-1')

Lab Sample ID: 880-43257-74
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 14:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:45	05/10/24 14:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:45	05/10/24 14:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 10:45	05/10/24 14:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 10:45	05/10/24 14:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 10:45	05/10/24 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*05/09/24 10:45*	*05/10/24 14:00*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 10:45*	*05/10/24 14:00*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-13 (0-1')

Lab Sample ID: 880-43257-74
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/11/24 20:11	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	<49.7	U	49.7		mg/Kg		05/08/24 16:33	05/11/24 20:11	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:33	05/11/24 20:11	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:33	05/11/24 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*05/08/24 16:33*	*05/11/24 20:11*	*1*
o-Terphenyl	*94*		*70 - 130*	*05/08/24 16:33*	*05/11/24 20:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**96.9**		4.95		mg/Kg			05/10/24 03:56	1

Client Sample ID: T-13 (1.5')

Lab Sample ID: 880-43257-75
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 14:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:45	05/10/24 14:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:45	05/10/24 14:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/09/24 10:45	05/10/24 14:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:45	05/10/24 14:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/24 10:45	05/10/24 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/09/24 10:45*	*05/10/24 14:26*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*05/09/24 10:45*	*05/10/24 14:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/10/24 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	<49.7	U	49.7		mg/Kg			05/11/24 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/08/24 16:33	05/11/24 20:32	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:33	05/11/24 20:32	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-13 (1.5')

Lab Sample ID: 880-43257-75
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 16:33	05/11/24 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*05/08/24 16:33*	*05/11/24 20:32*	*1*
o-Terphenyl	*100*		*70 - 130*	*05/08/24 16:33*	*05/11/24 20:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**253**		5.00		mg/Kg			05/10/24 04:02	1

Client Sample ID: T-13 (2')

Lab Sample ID: 880-43257-76
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 14:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:45	05/10/24 14:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:45	05/10/24 14:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 10:45	05/10/24 14:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 10:45	05/10/24 14:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 10:45	05/10/24 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/09/24 10:45*	*05/10/24 14:53*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*05/09/24 10:45*	*05/10/24 14:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/10/24 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	<49.6	U	49.6		mg/Kg			05/11/24 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	<49.6	U	49.6		mg/Kg		05/08/24 16:33	05/11/24 20:53	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:33	05/11/24 20:53	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:33	05/11/24 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*05/08/24 16:33*	*05/11/24 20:53*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/08/24 16:33*	*05/11/24 20:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.29**		5.05		mg/Kg			05/10/24 04:07	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-13 (3')

Lab Sample ID: 880-43257-77
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 15:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 15:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 15:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/09/24 10:45	05/10/24 15:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 10:45	05/10/24 15:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/09/24 10:45	05/10/24 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/09/24 10:45*	*05/10/24 15:20*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*05/09/24 10:45*	*05/10/24 15:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/10/24 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	<49.6	U	49.6		mg/Kg			05/11/24 21:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/08/24 16:33	05/11/24 21:33	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:33	05/11/24 21:33	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:33	05/11/24 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/08/24 16:33*	*05/11/24 21:33*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/08/24 16:33*	*05/11/24 21:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.3**		5.02		mg/Kg			05/10/24 04:13	1

Client Sample ID: T-13 (4')

Lab Sample ID: 880-43257-78
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 15:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:45	05/10/24 15:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:45	05/10/24 15:46	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/09/24 10:45	05/10/24 15:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 10:45	05/10/24 15:46	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/24 10:45	05/10/24 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*05/09/24 10:45*	*05/10/24 15:46*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*05/09/24 10:45*	*05/10/24 15:46*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-13 (4')

Lab Sample ID: 880-43257-78
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			05/11/24 21:53	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	<49.5	U	49.5		mg/Kg		05/08/24 16:33	05/11/24 21:53	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		05/08/24 16:33	05/11/24 21:53	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		05/08/24 16:33	05/11/24 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*05/08/24 16:33*	*05/11/24 21:53*	*1*
o-Terphenyl	*105*		*70 - 130*	*05/08/24 16:33*	*05/11/24 21:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	371		5.05		mg/Kg			05/09/24 20:25	1

Client Sample ID: T-14 (0-1')

Lab Sample ID: 880-43257-79
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 16:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 16:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 16:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/09/24 10:45	05/10/24 16:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 16:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/24 10:45	05/10/24 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/09/24 10:45*	*05/10/24 16:13*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/09/24 10:45*	*05/10/24 16:13*	*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			05/10/24 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/11/24 22:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 22:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 22:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-14 (0-1')

Lab Sample ID: 880-43257-79
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:33	05/11/24 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/08/24 16:33*	*05/11/24 22:14*	*1*
o-Terphenyl	*112*		*70 - 130*	*05/08/24 16:33*	*05/11/24 22:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.23**		5.02		mg/Kg			05/09/24 20:44	1

Client Sample ID: T-14 (1.5')

Lab Sample ID: 880-43257-80
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 10:45	05/10/24 16:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 16:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 16:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 10:45	05/10/24 16:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 16:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 10:45	05/10/24 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*05/09/24 10:45*	*05/10/24 16:39*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*05/09/24 10:45*	*05/10/24 16:39*	*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			05/10/24 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/11/24 22:34	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		05/08/24 16:33	05/11/24 22:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 22:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*05/08/24 16:33*	*05/11/24 22:34*	*1*
o-Terphenyl	*101*		*70 - 130*	*05/08/24 16:33*	*05/11/24 22:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.3**		5.05		mg/Kg			05/09/24 20:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-14 (2')

Lab Sample ID: 880-43257-81
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/09/24 23:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:06	05/09/24 23:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:06	05/09/24 23:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 13:06	05/09/24 23:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:06	05/09/24 23:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 13:06	05/09/24 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/09/24 13:06*	*05/09/24 23:28*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 13:06*	*05/09/24 23:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/09/24 23:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/11/24 22:54	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	<49.7	U	49.7		mg/Kg		05/08/24 16:33	05/11/24 22:54	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:33	05/11/24 22:54	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:33	05/11/24 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*05/08/24 16:33*	*05/11/24 22:54*	*1*
o-Terphenyl	*100*		*70 - 130*	*05/08/24 16:33*	*05/11/24 22:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.77**		4.97		mg/Kg			05/09/24 20:56	1

Client Sample ID: T-14 (3')

Lab Sample ID: 880-43257-82
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/09/24 23:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:06	05/09/24 23:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:06	05/09/24 23:49	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/09/24 13:06	05/09/24 23:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:06	05/09/24 23:49	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/24 13:06	05/09/24 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/09/24 13:06*	*05/09/24 23:49*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/24 13:06*	*05/09/24 23:49*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-14 (3')

Lab Sample ID: 880-43257-82
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 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	<49.9	U	49.9		mg/Kg			05/11/24 23:15	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		05/08/24 16:33	05/11/24 23:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:33	05/11/24 23:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:33	05/11/24 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/08/24 16:33*	*05/11/24 23:15*	*1*
o-Terphenyl	*92*		*70 - 130*	*05/08/24 16:33*	*05/11/24 23:15*	*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			05/09/24 21:03	1

Client Sample ID: T-14 (4')

Lab Sample ID: 880-43257-83
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 00:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:06	05/10/24 00:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:06	05/10/24 00:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 13:06	05/10/24 00:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:06	05/10/24 00:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 13:06	05/10/24 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*05/09/24 13:06*	*05/10/24 00:09*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/09/24 13:06*	*05/10/24 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			05/10/24 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	<49.8	U	49.8		mg/Kg			05/11/24 23:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 23:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 23:36	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-14 (4')

Lab Sample ID: 880-43257-83
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:33	05/11/24 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/08/24 16:33*	*05/11/24 23:36*	*1*
o-Terphenyl	*95*		*70 - 130*	*05/08/24 16:33*	*05/11/24 23:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**177**		4.99		mg/Kg			05/09/24 21:22	1

Client Sample ID: T-15 (0-1')

Lab Sample ID: 880-43257-84
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 00:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 00:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 00:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 13:06	05/10/24 00:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 00:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 13:06	05/10/24 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/09/24 13:06*	*05/10/24 00:29*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/24 13:06*	*05/10/24 00:29*	*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			05/10/24 00:29	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			05/11/24 23:56	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	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 23:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 23:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/11/24 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/08/24 16:33*	*05/11/24 23:56*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/08/24 16:33*	*05/11/24 23:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21300**		253		mg/Kg			05/09/24 21:28	50

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-15 (1.5')

Lab Sample ID: 880-43257-85
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 00:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:06	05/10/24 00:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:06	05/10/24 00:50	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/09/24 13:06	05/10/24 00:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:06	05/10/24 00:50	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/24 13:06	05/10/24 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*05/09/24 13:06*	*05/10/24 00:50*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/24 13:06*	*05/10/24 00:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/10/24 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	<49.8	U	49.8		mg/Kg			05/12/24 00:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/12/24 00:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/12/24 00:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:33	05/12/24 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*05/08/24 16:33*	*05/12/24 00:16*	*1*
o-Terphenyl	*101*		*70 - 130*	*05/08/24 16:33*	*05/12/24 00:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3110**		25.0		mg/Kg			05/09/24 21:34	5

Client Sample ID: T-15 (2')

Lab Sample ID: 880-43257-86
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 01:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:06	05/10/24 01:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:06	05/10/24 01:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 13:06	05/10/24 01:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:06	05/10/24 01:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 13:06	05/10/24 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*05/09/24 13:06*	*05/10/24 01:10*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 13:06*	*05/10/24 01:10*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-15 (2')

Lab Sample ID: 880-43257-86
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 01:10	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			05/12/24 00:38	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		05/08/24 16:33	05/12/24 00:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:33	05/12/24 00:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:33	05/12/24 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*05/08/24 16:33*	*05/12/24 00:38*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/08/24 16:33*	*05/12/24 00:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2650**		24.9		mg/Kg			05/09/24 21:41	5

Client Sample ID: T-15 (3')

Lab Sample ID: 880-43257-87
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 01:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 01:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 01:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/09/24 13:06	05/10/24 01:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 01:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/24 13:06	05/10/24 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*05/09/24 13:06*	*05/10/24 01:31*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 13:06*	*05/10/24 01:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/10/24 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	<50.0	U	50.0		mg/Kg			05/12/24 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	<50.0	U	50.0		mg/Kg		05/08/24 16:29	05/12/24 02:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		05/08/24 16:29	05/12/24 02:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-15 (3')

Lab Sample ID: 880-43257-87
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:29	05/12/24 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*05/08/24 16:29*	*05/12/24 02:21*	*1*
o-Terphenyl	*98*		*70 - 130*	*05/08/24 16:29*	*05/12/24 02:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1870**		25.2		mg/Kg			05/09/24 21:47	5

Client Sample ID: T-15 (4')

Lab Sample ID: 880-43257-88
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 01:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:06	05/10/24 01:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:06	05/10/24 01:51	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/09/24 13:06	05/10/24 01:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:06	05/10/24 01:51	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/24 13:06	05/10/24 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*05/09/24 13:06*	*05/10/24 01:51*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 13:06*	*05/10/24 01:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/10/24 01:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/24 03:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 03:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 03:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*05/08/24 16:29*	*05/12/24 03:22*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*05/08/24 16:29*	*05/12/24 03:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**222**		4.99		mg/Kg			05/09/24 21:53	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-16 (0-1')

Lab Sample ID: 880-43257-89
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 02:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 02:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 02:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 13:06	05/10/24 02:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 02:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 13:06	05/10/24 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*05/09/24 13:06*	*05/10/24 02:12*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/24 13:06*	*05/10/24 02:12*	*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			05/10/24 02:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/24 03:42	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	<49.9	U	49.9		mg/Kg		05/08/24 16:29	05/12/24 03:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:29	05/12/24 03:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:29	05/12/24 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/08/24 16:29*	*05/12/24 03:42*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/08/24 16:29*	*05/12/24 03:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.9**		5.01		mg/Kg			05/09/24 22:12	1

Client Sample ID: T-16 (1.5')

Lab Sample ID: 880-43257-90
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 02:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:06	05/10/24 02:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:06	05/10/24 02:32	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/09/24 13:06	05/10/24 02:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:06	05/10/24 02:32	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/24 13:06	05/10/24 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*05/09/24 13:06*	*05/10/24 02:32*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 13:06*	*05/10/24 02:32*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-16 (1.5')

Lab Sample ID: 880-43257-90
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 02:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/24 04:02	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		05/08/24 16:29	05/12/24 04:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 04:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*05/08/24 16:29*	*05/12/24 04:02*	*1*
o-Terphenyl	*96*		*70 - 130*	*05/08/24 16:29*	*05/12/24 04:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.9**		5.02		mg/Kg			05/09/24 22:18	1

Client Sample ID: T-16 (2')

Lab Sample ID: 880-43257-91
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 04:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:06	05/10/24 04:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:06	05/10/24 04:06	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/09/24 13:06	05/10/24 04:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:06	05/10/24 04:06	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/09/24 13:06	05/10/24 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*05/09/24 13:06*	*05/10/24 04:06*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 13:06*	*05/10/24 04:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/10/24 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	<49.7	U	49.7		mg/Kg			05/12/24 04:23	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	<49.7	U	49.7		mg/Kg		05/08/24 16:29	05/12/24 04:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:29	05/12/24 04:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-16 (2')

Lab Sample ID: 880-43257-91
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 16:29	05/12/24 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/08/24 16:29*	*05/12/24 04:23*	*1*
o-Terphenyl	*117*		*70 - 130*	*05/08/24 16:29*	*05/12/24 04:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.55**		4.97		mg/Kg			05/09/24 22:37	1

Client Sample ID: T-16 (3')

Lab Sample ID: 880-43257-92
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0505	U	0.0505		mg/Kg		05/09/24 13:06	05/10/24 07:10	25
Toluene	**0.0815**		0.0505		mg/Kg		05/09/24 13:06	05/10/24 07:10	25
Ethylbenzene	<0.0505	U	0.0505		mg/Kg		05/09/24 13:06	05/10/24 07:10	25
m-Xylene & p-Xylene	<0.101	U	0.101		mg/Kg		05/09/24 13:06	05/10/24 07:10	25
o-Xylene	<0.0505	U	0.0505		mg/Kg		05/09/24 13:06	05/10/24 07:10	25
Xylenes, Total	<0.101	U	0.101		mg/Kg		05/09/24 13:06	05/10/24 07:10	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*05/09/24 13:06*	*05/10/24 07:10*	*25*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 13:06*	*05/10/24 07:10*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.101	U	0.101		mg/Kg			05/10/24 07:10	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			05/12/24 04:43	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		05/08/24 16:29	05/12/24 04:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 04:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*05/08/24 16:29*	*05/12/24 04:43*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/08/24 16:29*	*05/12/24 04:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.4**		5.02		mg/Kg			05/09/24 22:44	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-16 (4')

Lab Sample ID: 880-43257-93
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 04:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 04:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 04:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/09/24 13:06	05/10/24 04:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 04:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/24 13:06	05/10/24 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*05/09/24 13:06*	*05/10/24 04:26*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 13:06*	*05/10/24 04:26*	*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			05/10/24 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	<49.8	U	49.8		mg/Kg			05/12/24 05:04	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		05/08/24 16:29	05/12/24 05:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 05:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*05/08/24 16:29*	*05/12/24 05:04*	*1*
o-Terphenyl	*91*		*70 - 130*	*05/08/24 16:29*	*05/12/24 05:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52.4**		4.98		mg/Kg			05/09/24 22:50	1

Client Sample ID: T-17 (0-1')

Lab Sample ID: 880-43257-94
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 04:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:06	05/10/24 04:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:06	05/10/24 04:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/09/24 13:06	05/10/24 04:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:06	05/10/24 04:47	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/09/24 13:06	05/10/24 04:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*05/09/24 13:06*	*05/10/24 04:47*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 13:06*	*05/10/24 04:47*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-17 (0-1')

Lab Sample ID: 880-43257-94
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 04:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/24 05:24	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	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 05:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 05:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*05/08/24 16:29*	*05/12/24 05:24*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/08/24 16:29*	*05/12/24 05:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.7**		4.98		mg/Kg			05/09/24 22:56	1

Client Sample ID: T-17 (1.5')

Lab Sample ID: 880-43257-95
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 05:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:06	05/10/24 05:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:06	05/10/24 05:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 13:06	05/10/24 05:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:06	05/10/24 05:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 13:06	05/10/24 05:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*05/09/24 13:06*	*05/10/24 05:07*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/24 13:06*	*05/10/24 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			05/10/24 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	<49.9	U	49.9		mg/Kg			05/12/24 05:45	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	<49.9	U	49.9		mg/Kg		05/08/24 16:29	05/12/24 05:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:29	05/12/24 05:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-17 (1.5')

Lab Sample ID: 880-43257-95
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 16:29	05/12/24 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*05/08/24 16:29*	*05/12/24 05:45*	*1*
o-Terphenyl	*76*		*70 - 130*	*05/08/24 16:29*	*05/12/24 05:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.7**		5.03		mg/Kg			05/09/24 23:02	1

Client Sample ID: T-17 (2')

Lab Sample ID: 880-43257-96
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 05:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 05:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 05:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/09/24 13:06	05/10/24 05:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 05:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/24 13:06	05/10/24 05:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*05/09/24 13:06*	*05/10/24 05:28*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 13:06*	*05/10/24 05:28*	*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			05/10/24 05:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/24 06:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/08/24 16:29	05/12/24 06:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:29	05/12/24 06:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:29	05/12/24 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*05/08/24 16:29*	*05/12/24 06:06*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/08/24 16:29*	*05/12/24 06:06*	*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			05/09/24 23:09	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-17 (3')

Lab Sample ID: 880-43257-97
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 05:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:06	05/10/24 05:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:06	05/10/24 05:48	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/09/24 13:06	05/10/24 05:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:06	05/10/24 05:48	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/24 13:06	05/10/24 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*05/09/24 13:06*	*05/10/24 05:48*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/24 13:06*	*05/10/24 05:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/10/24 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	<49.8	U	49.8		mg/Kg			05/12/24 06:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 06:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 06:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/08/24 16:29*	*05/12/24 06:46*	*1*
o-Terphenyl	*92*		*70 - 130*	*05/08/24 16:29*	*05/12/24 06:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.18**		5.02		mg/Kg			05/09/24 23:15	1

Client Sample ID: T-17 (4')

Lab Sample ID: 880-43257-98
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 06:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:06	05/10/24 06:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:06	05/10/24 06:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 13:06	05/10/24 06:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:06	05/10/24 06:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 13:06	05/10/24 06:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/09/24 13:06*	*05/10/24 06:08*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 13:06*	*05/10/24 06:08*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-17 (4')

Lab Sample ID: 880-43257-98
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 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	<49.8	U	49.8		mg/Kg			05/12/24 07:07	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		05/08/24 16:29	05/12/24 07:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 07:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 07:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*05/08/24 16:29*	*05/12/24 07:07*	*1*
o-Terphenyl	*87*		*70 - 130*	*05/08/24 16:29*	*05/12/24 07:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.1**		4.96		mg/Kg			05/09/24 16:44	1

Client Sample ID: T-18 (0-1')

Lab Sample ID: 880-43257-99
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 06:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 06:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 06:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/09/24 13:06	05/10/24 06:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 06:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/24 13:06	05/10/24 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*05/09/24 13:06*	*05/10/24 06:29*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/24 13:06*	*05/10/24 06:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/10/24 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	<49.7	U	49.7		mg/Kg			05/12/24 07:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/08/24 16:29	05/12/24 07:28	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:29	05/12/24 07:28	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-18 (0-1')

Lab Sample ID: 880-43257-99
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 16:29	05/12/24 07:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*05/08/24 16:29*	*05/12/24 07:28*	*1*
o-Terphenyl	*83*		*70 - 130*	*05/08/24 16:29*	*05/12/24 07:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6100**		49.6		mg/Kg			05/09/24 17:03	10

Client Sample ID: T-18 (1.5')

Lab Sample ID: 880-43257-100
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:06	05/10/24 06:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 06:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 06:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 13:06	05/10/24 06:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/10/24 06:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 13:06	05/10/24 06:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/09/24 13:06*	*05/10/24 06:49*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 13:06*	*05/10/24 06:49*	*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			05/10/24 06:49	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			05/12/24 07:48	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	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 07:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 07:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/08/24 16:29*	*05/12/24 07:48*	*1*
o-Terphenyl	*99*		*70 - 130*	*05/08/24 16:29*	*05/12/24 07:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2980**		24.8		mg/Kg			05/09/24 17:09	5

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-18 (2')

Lab Sample ID: 880-43257-101
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:56	05/09/24 17:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:56	05/09/24 17:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:56	05/09/24 17:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 13:56	05/09/24 17:17	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		05/09/24 13:56	05/09/24 17:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 13:56	05/09/24 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*05/09/24 13:56*	*05/09/24 17:17*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/09/24 13:56*	*05/09/24 17:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/09/24 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	<49.7	U	49.7		mg/Kg			05/12/24 08:08	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	<49.7	U	49.7		mg/Kg		05/08/24 16:29	05/12/24 08:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:29	05/12/24 08:08	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:29	05/12/24 08:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*05/08/24 16:29*	*05/12/24 08:08*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/08/24 16:29*	*05/12/24 08:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**266**		4.97		mg/Kg			05/09/24 17:16	1

Client Sample ID: T-18 (3')

Lab Sample ID: 880-43257-102
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:56	05/09/24 17:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:56	05/09/24 17:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:56	05/09/24 17:38	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/09/24 13:56	05/09/24 17:38	1
o-Xylene	<0.00202	U *-	0.00202		mg/Kg		05/09/24 13:56	05/09/24 17:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/24 13:56	05/09/24 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*05/09/24 13:56*	*05/09/24 17:38*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/09/24 13:56*	*05/09/24 17:38*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-18 (3')

Lab Sample ID: 880-43257-102
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 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	<49.6	U	49.6		mg/Kg			05/12/24 08:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/08/24 16:29	05/12/24 08:29	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:29	05/12/24 08:29	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:29	05/12/24 08:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*05/08/24 16:29*	*05/12/24 08:29*	*1*
o-Terphenyl	*84*		*70 - 130*	*05/08/24 16:29*	*05/12/24 08:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.2**		4.98		mg/Kg			05/09/24 17:22	1

Client Sample ID: T-18 (4')

Lab Sample ID: 880-43257-103
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:56	05/09/24 17:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:56	05/09/24 17:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:56	05/09/24 17:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 13:56	05/09/24 17:58	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		05/09/24 13:56	05/09/24 17:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 13:56	05/09/24 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*05/09/24 13:56*	*05/09/24 17:58*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/09/24 13:56*	*05/09/24 17:58*	*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			05/09/24 17:58	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			05/12/24 08:49	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	<49.6	U	49.6		mg/Kg		05/08/24 16:29	05/12/24 08:49	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:29	05/12/24 08:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-18 (4')

Lab Sample ID: 880-43257-103
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:29	05/12/24 08:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*05/08/24 16:29*	*05/12/24 08:49*	*1*
o-Terphenyl	*92*		*70 - 130*	*05/08/24 16:29*	*05/12/24 08:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.7**		5.02		mg/Kg			05/09/24 17:41	1

Client Sample ID: T-19 (0-1')

Lab Sample ID: 880-43257-104
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:56	05/09/24 18:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:56	05/09/24 18:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:56	05/09/24 18:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 13:56	05/09/24 18:19	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		05/09/24 13:56	05/09/24 18:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 13:56	05/09/24 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*05/09/24 13:56*	*05/09/24 18:19*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/09/24 13:56*	*05/09/24 18:19*	*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			05/09/24 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	<49.5	U	49.5		mg/Kg			05/12/24 09:10	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	<49.5	U	49.5		mg/Kg		05/08/24 16:29	05/12/24 09:10	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		05/08/24 16:29	05/12/24 09:10	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		05/08/24 16:29	05/12/24 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*05/08/24 16:29*	*05/12/24 09:10*	*1*
o-Terphenyl	*81*		*70 - 130*	*05/08/24 16:29*	*05/12/24 09:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1550**		25.0		mg/Kg			05/09/24 17:47	5

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-19 (1.5')

Lab Sample ID: 880-43257-105
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:56	05/09/24 18:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:56	05/09/24 18:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:56	05/09/24 18:40	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/09/24 13:56	05/09/24 18:40	1
o-Xylene	<0.00198	U *-	0.00198		mg/Kg		05/09/24 13:56	05/09/24 18:40	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/24 13:56	05/09/24 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*05/09/24 13:56*	*05/09/24 18:40*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/09/24 13:56*	*05/09/24 18:40*	*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			05/09/24 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	<49.9	U	49.9		mg/Kg			05/12/24 09:43	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		05/08/24 16:29	05/12/24 09:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:29	05/12/24 09:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:29	05/12/24 09:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/08/24 16:29*	*05/12/24 09:43*	*1*
o-Terphenyl	*99*		*70 - 130*	*05/08/24 16:29*	*05/12/24 09:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**303**		5.04		mg/Kg			05/09/24 17:54	1

Client Sample ID: T-19 (2')

Lab Sample ID: 880-43257-106
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:56	05/09/24 19:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:56	05/09/24 19:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:56	05/09/24 19:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 13:56	05/09/24 19:00	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		05/09/24 13:56	05/09/24 19:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 13:56	05/09/24 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*05/09/24 13:56*	*05/09/24 19:00*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/09/24 13:56*	*05/09/24 19:00*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-19 (2')

Lab Sample ID: 880-43257-106
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 19:00	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			05/12/24 10:04	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		05/08/24 16:29	05/12/24 10:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 10:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:29	05/12/24 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/08/24 16:29*	*05/12/24 10:04*	*1*
o-Terphenyl	*92*		*70 - 130*	*05/08/24 16:29*	*05/12/24 10:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.7**		5.02		mg/Kg			05/09/24 18:00	1

Client Sample ID: T-19 (3')

Lab Sample ID: 880-43257-107
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:56	05/09/24 19:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:56	05/09/24 19:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:56	05/09/24 19:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/09/24 13:56	05/09/24 19:21	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		05/09/24 13:56	05/09/24 19:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/24 13:56	05/09/24 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*05/09/24 13:56*	*05/09/24 19:21*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/09/24 13:56*	*05/09/24 19:21*	*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			05/09/24 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/11/24 11:05	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		05/08/24 16:25	05/11/24 11:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1 F2	49.8		mg/Kg		05/08/24 16:25	05/11/24 11:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-19 (3')

Lab Sample ID: 880-43257-107
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:25	05/11/24 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/08/24 16:25*	*05/11/24 11:05*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/08/24 16:25*	*05/11/24 11:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.0**		4.97		mg/Kg			05/09/24 18:06	1

Client Sample ID: T-19 (4')

Lab Sample ID: 880-43257-108
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:56	05/09/24 19:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:56	05/09/24 19:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:56	05/09/24 19:42	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/09/24 13:56	05/09/24 19:42	1
o-Xylene	<0.00198	U *-	0.00198		mg/Kg		05/09/24 13:56	05/09/24 19:42	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/24 13:56	05/09/24 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*05/09/24 13:56*	*05/09/24 19:42*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/09/24 13:56*	*05/09/24 19:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/09/24 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/11/24 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/08/24 16:25	05/11/24 12:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:25	05/11/24 12:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:25	05/11/24 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/08/24 16:25*	*05/11/24 12:06*	*1*
o-Terphenyl	*114*		*70 - 130*	*05/08/24 16:25*	*05/11/24 12:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**114**		5.02		mg/Kg			05/09/24 18:13	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-20 (0-1')

Lab Sample ID: 880-43257-109
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:56	05/09/24 20:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:56	05/09/24 20:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:56	05/09/24 20:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 13:56	05/09/24 20:02	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		05/09/24 13:56	05/09/24 20:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 13:56	05/09/24 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*05/09/24 13:56*	*05/09/24 20:02*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/09/24 13:56*	*05/09/24 20:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/09/24 20:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/11/24 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	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 12:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 12:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*05/08/24 16:25*	*05/11/24 12:26*	*1*
o-Terphenyl	*96*		*70 - 130*	*05/08/24 16:25*	*05/11/24 12:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**167**		4.97		mg/Kg			05/09/24 18:31	1

Client Sample ID: T-20 (1.5')

Lab Sample ID: 880-43257-110
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:56	05/09/24 20:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:56	05/09/24 20:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:56	05/09/24 20:23	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/09/24 13:56	05/09/24 20:23	1
o-Xylene	<0.00198	U *-	0.00198		mg/Kg		05/09/24 13:56	05/09/24 20:23	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/24 13:56	05/09/24 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*05/09/24 13:56*	*05/09/24 20:23*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/09/24 13:56*	*05/09/24 20:23*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-20 (1.5')

Lab Sample ID: 880-43257-110
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 20:23	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			05/11/24 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 12:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 12:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*05/08/24 16:25*	*05/11/24 12:46*	*1*
o-Terphenyl	*87*		*70 - 130*	*05/08/24 16:25*	*05/11/24 12:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**500**		5.02		mg/Kg			05/09/24 18:38	1

Client Sample ID: T-20 (2')

Lab Sample ID: 880-43257-111
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/10/24 08:12	05/10/24 14:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 08:12	05/10/24 14:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 08:12	05/10/24 14:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 08:12	05/10/24 14:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 08:12	05/10/24 14:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 08:12	05/10/24 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/10/24 08:12*	*05/10/24 14:11*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/10/24 08:12*	*05/10/24 14:11*	*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			05/10/24 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	<49.7	U	49.7		mg/Kg			05/12/24 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/08/24 16:25	05/12/24 10:44	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:25	05/12/24 10:44	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-20 (2')

Lab Sample ID: 880-43257-111
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 16:25	05/12/24 10:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/08/24 16:25*	*05/12/24 10:44*	*1*
o-Terphenyl	*95*		*70 - 130*	*05/08/24 16:25*	*05/12/24 10:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**501**		4.98		mg/Kg			05/09/24 18:57	1

Client Sample ID: T-20 (3')

Lab Sample ID: 880-43257-112
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/10/24 08:12	05/10/24 15:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 15:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 15:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/10/24 08:12	05/10/24 15:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 15:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/10/24 08:12	05/10/24 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/10/24 08:12*	*05/10/24 15:34*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/10/24 08:12*	*05/10/24 15:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/10/24 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	<49.7	U	49.7		mg/Kg			05/11/24 19:31	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		05/08/24 16:25	05/11/24 19:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:25	05/11/24 19:31	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:25	05/11/24 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/08/24 16:25*	*05/11/24 19:31*	*1*
o-Terphenyl	*102*		*70 - 130*	*05/08/24 16:25*	*05/11/24 19:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.2**		5.05		mg/Kg			05/09/24 19:03	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-20 (4')

Lab Sample ID: 880-43257-113
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/10/24 08:12	05/10/24 15:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 15:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 15:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/10/24 08:12	05/10/24 15:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 15:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/10/24 08:12	05/10/24 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/10/24 08:12*	*05/10/24 15:54*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/10/24 08:12*	*05/10/24 15:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/10/24 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	<49.6	U	49.6		mg/Kg			05/11/24 19:51	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	<49.6	U	49.6		mg/Kg		05/08/24 16:25	05/11/24 19:51	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:25	05/11/24 19:51	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:25	05/11/24 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/08/24 16:25*	*05/11/24 19:51*	*1*
o-Terphenyl	*102*		*70 - 130*	*05/08/24 16:25*	*05/11/24 19:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.5**		4.98		mg/Kg			05/09/24 19:09	1

Client Sample ID: T-21 (0-1')

Lab Sample ID: 880-43257-114
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/10/24 08:12	05/10/24 16:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 08:12	05/10/24 16:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 08:12	05/10/24 16:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 08:12	05/10/24 16:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 08:12	05/10/24 16:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 08:12	05/10/24 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/10/24 08:12*	*05/10/24 16:14*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/10/24 08:12*	*05/10/24 16:14*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-21 (0-1')

Lab Sample ID: 880-43257-114
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 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	<49.5	U	49.5		mg/Kg			05/11/24 20:11	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	<49.5	U	49.5		mg/Kg		05/08/24 16:25	05/11/24 20:11	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		05/08/24 16:25	05/11/24 20:11	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		05/08/24 16:25	05/11/24 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/08/24 16:25*	*05/11/24 20:11*	*1*
o-Terphenyl	*104*		*70 - 130*	*05/08/24 16:25*	*05/11/24 20:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2090**		25.2		mg/Kg			05/09/24 19:15	5

Client Sample ID: T-21 (1.5')

Lab Sample ID: 880-43257-115
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/10/24 08:12	05/10/24 16:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 08:12	05/10/24 16:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 08:12	05/10/24 16:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 08:12	05/10/24 16:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 08:12	05/10/24 16:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 08:12	05/10/24 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/10/24 08:12*	*05/10/24 16:35*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/10/24 08:12*	*05/10/24 16:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/10/24 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/11/24 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/08/24 16:25	05/11/24 20:32	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:25	05/11/24 20:32	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-21 (1.5')

Lab Sample ID: 880-43257-115
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:25	05/11/24 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/08/24 16:25*	*05/11/24 20:32*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/08/24 16:25*	*05/11/24 20:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**505**		4.97		mg/Kg			05/09/24 19:22	1

Client Sample ID: T-21 (2')

Lab Sample ID: 880-43257-116
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/10/24 08:12	05/10/24 16:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 08:12	05/10/24 16:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 08:12	05/10/24 16:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 08:12	05/10/24 16:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 08:12	05/10/24 16:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 08:12	05/10/24 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/10/24 08:12*	*05/10/24 16:55*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/10/24 08:12*	*05/10/24 16:55*	*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			05/10/24 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	<49.6	U	49.6		mg/Kg			05/11/24 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	<49.6	U	49.6		mg/Kg		05/08/24 16:25	05/11/24 20:53	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:25	05/11/24 20:53	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:25	05/11/24 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/08/24 16:25*	*05/11/24 20:53*	*1*
o-Terphenyl	*111*		*70 - 130*	*05/08/24 16:25*	*05/11/24 20:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.0**		5.02		mg/Kg			05/09/24 19:28	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-21 (3')

Lab Sample ID: 880-43257-117
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/10/24 08:12	05/10/24 17:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/10/24 08:12	05/10/24 17:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/10/24 08:12	05/10/24 17:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/10/24 08:12	05/10/24 17:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/10/24 08:12	05/10/24 17:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/10/24 08:12	05/10/24 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/10/24 08:12*	*05/10/24 17:16*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/10/24 08:12*	*05/10/24 17:16*	*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			05/10/24 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/11/24 21:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/08/24 16:25	05/11/24 21:33	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:25	05/11/24 21:33	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:25	05/11/24 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*05/08/24 16:25*	*05/11/24 21:33*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/08/24 16:25*	*05/11/24 21:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.7**		5.05		mg/Kg			05/09/24 19:34	1

Client Sample ID: T-21 (4')

Lab Sample ID: 880-43257-118
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/10/24 08:12	05/10/24 17:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 17:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 17:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/10/24 08:12	05/10/24 17:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 17:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/10/24 08:12	05/10/24 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/10/24 08:12*	*05/10/24 17:36*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/10/24 08:12*	*05/10/24 17:36*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-21 (4')

Lab Sample ID: 880-43257-118
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/11/24 21:53	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	<49.7	U	49.7		mg/Kg		05/08/24 16:25	05/11/24 21:53	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:25	05/11/24 21:53	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:25	05/11/24 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/08/24 16:25*	*05/11/24 21:53*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/08/24 16:25*	*05/11/24 21:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		5.01		mg/Kg			05/10/24 03:46	1

Client Sample ID: T-22 (0-1')

Lab Sample ID: 880-43257-119
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/10/24 08:12	05/10/24 17:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/10/24 08:12	05/10/24 17:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/10/24 08:12	05/10/24 17:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/10/24 08:12	05/10/24 17:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/10/24 08:12	05/10/24 17:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/10/24 08:12	05/10/24 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/10/24 08:12*	*05/10/24 17:57*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/10/24 08:12*	*05/10/24 17:57*	*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			05/10/24 17:57	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			05/11/24 22:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 22:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 22:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-22 (0-1')

Lab Sample ID: 880-43257-119
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:25	05/11/24 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*05/08/24 16:25*	*05/11/24 22:14*	*1*
o-Terphenyl	*85*		*70 - 130*	*05/08/24 16:25*	*05/11/24 22:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.38**		5.04		mg/Kg			05/10/24 04:05	1

Client Sample ID: T-22 (1.5')

Lab Sample ID: 880-43257-120
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/10/24 08:12	05/10/24 18:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 18:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 18:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/10/24 08:12	05/10/24 18:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 18:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/10/24 08:12	05/10/24 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/10/24 08:12*	*05/10/24 18:17*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/10/24 08:12*	*05/10/24 18:17*	*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			05/10/24 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	<49.8	U	49.8		mg/Kg			05/11/24 22:34	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		05/08/24 16:25	05/11/24 22:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 22:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*05/08/24 16:25*	*05/11/24 22:34*	*1*
o-Terphenyl	*100*		*70 - 130*	*05/08/24 16:25*	*05/11/24 22:34*	*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			05/10/24 04:11	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-22 (2')

Lab Sample ID: 880-43257-121
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/09/24 22:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:58	05/09/24 22:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:58	05/09/24 22:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 13:58	05/09/24 22:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:58	05/09/24 22:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 13:58	05/09/24 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/09/24 13:58*	*05/09/24 22:49*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/09/24 22:49*	*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			05/09/24 22:49	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			05/11/24 22:54	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	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 22:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 22:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*05/08/24 16:25*	*05/11/24 22:54*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/08/24 16:25*	*05/11/24 22:54*	*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			05/10/24 04:18	1

Client Sample ID: T-22 (3')

Lab Sample ID: 880-43257-122
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/09/24 23:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:58	05/09/24 23:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:58	05/09/24 23:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/09/24 13:58	05/09/24 23:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:58	05/09/24 23:09	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/24 13:58	05/09/24 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/09/24 13:58*	*05/09/24 23:09*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 13:58*	*05/09/24 23:09*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-22 (3')

Lab Sample ID: 880-43257-122
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 23:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/11/24 23:15	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		05/08/24 16:25	05/11/24 23:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:25	05/11/24 23:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:25	05/11/24 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*05/08/24 16:25*	*05/11/24 23:15*	*1*
o-Terphenyl	*78*		*70 - 130*	*05/08/24 16:25*	*05/11/24 23:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.85**		4.97		mg/Kg			05/10/24 04:24	1

Client Sample ID: T-22 (4')

Lab Sample ID: 880-43257-123
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/09/24 23:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:58	05/09/24 23:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:58	05/09/24 23:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 13:58	05/09/24 23:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:58	05/09/24 23:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 13:58	05/09/24 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/09/24 13:58*	*05/09/24 23:30*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 13:58*	*05/09/24 23:30*	*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			05/09/24 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	<50.0	U	50.0		mg/Kg			05/11/24 23:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/08/24 16:25	05/11/24 23:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:25	05/11/24 23:36	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-22 (4')

Lab Sample ID: 880-43257-123
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:25	05/11/24 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/08/24 16:25*	*05/11/24 23:36*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/08/24 16:25*	*05/11/24 23:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.7**		4.98		mg/Kg			05/10/24 04:43	1

Client Sample ID: T-23 (0-1')

Lab Sample ID: 880-43257-124
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00509**		0.00200		mg/Kg		05/09/24 13:58	05/09/24 23:50	1
Toluene	**0.00243**		0.00200		mg/Kg		05/09/24 13:58	05/09/24 23:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/09/24 23:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 13:58	05/09/24 23:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/09/24 23:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 13:58	05/09/24 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/09/24 13:58*	*05/09/24 23:50*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/09/24 23:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00752**		0.00400		mg/Kg			05/09/24 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	<49.8	U	49.8		mg/Kg			05/11/24 23:56	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	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 23:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 23:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:25	05/11/24 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/08/24 16:25*	*05/11/24 23:56*	*1*
o-Terphenyl	*101*		*70 - 130*	*05/08/24 16:25*	*05/11/24 23:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.4**		4.98		mg/Kg			05/10/24 04:49	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-23 (1.5')

Lab Sample ID: 880-43257-125
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/10/24 00:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:58	05/10/24 00:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:58	05/10/24 00:10	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/09/24 13:58	05/10/24 00:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:58	05/10/24 00:10	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/24 13:58	05/10/24 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/09/24 13:58*	*05/10/24 00:10*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/10/24 00:10*	*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			05/10/24 00:10	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			05/12/24 00:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/08/24 16:25	05/12/24 00:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:25	05/12/24 00:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:25	05/12/24 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*05/08/24 16:25*	*05/12/24 00:16*	*1*
o-Terphenyl	*96*		*70 - 130*	*05/08/24 16:25*	*05/12/24 00:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.59**		5.03		mg/Kg			05/10/24 04:55	1

Client Sample ID: T-23 (2')

Lab Sample ID: 880-43257-126
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/10/24 00:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:58	05/10/24 00:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:58	05/10/24 00:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 13:58	05/10/24 00:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 13:58	05/10/24 00:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 13:58	05/10/24 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/09/24 13:58*	*05/10/24 00:31*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 13:58*	*05/10/24 00:31*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-23 (2')

Lab Sample ID: 880-43257-126
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 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	<50.0	U	50.0		mg/Kg			05/12/24 00:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/08/24 16:25	05/12/24 00:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:25	05/12/24 00:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:25	05/12/24 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/08/24 16:25*	*05/12/24 00:38*	*1*
o-Terphenyl	*88*		*70 - 130*	*05/08/24 16:25*	*05/12/24 00:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.8**		5.05		mg/Kg			05/10/24 05:02	1

Client Sample ID: T-23 (3')

Lab Sample ID: 880-43257-127
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/10/24 00:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 00:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 00:51	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/09/24 13:58	05/10/24 00:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 00:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/24 13:58	05/10/24 00:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/09/24 13:58*	*05/10/24 00:51*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/10/24 00:51*	*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			05/10/24 00:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/12/24 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	<50.0	U F1	50.0		mg/Kg		05/08/24 16:20	05/12/24 02:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		05/08/24 16:20	05/12/24 02:21	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-23 (3')

Lab Sample ID: 880-43257-127
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:20	05/12/24 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*05/08/24 16:20*	*05/12/24 02:21*	*1*
o-Terphenyl	*95*		*70 - 130*	*05/08/24 16:20*	*05/12/24 02:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.2**		5.02		mg/Kg			05/10/24 05:08	1

Client Sample ID: T-23 (4')

Lab Sample ID: 880-43257-128
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/10/24 01:12	1
Toluene	**0.00257**		0.00198		mg/Kg		05/09/24 13:58	05/10/24 01:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:58	05/10/24 01:12	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/09/24 13:58	05/10/24 01:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:58	05/10/24 01:12	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/24 13:58	05/10/24 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/09/24 13:58*	*05/10/24 01:12*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/10/24 01:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/10/24 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	<49.9	U	49.9		mg/Kg			05/12/24 03:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/08/24 16:20	05/12/24 03:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:20	05/12/24 03:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:20	05/12/24 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*05/08/24 16:20*	*05/12/24 03:22*	*1*
o-Terphenyl	*74*		*70 - 130*	*05/08/24 16:20*	*05/12/24 03:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.4**		4.98		mg/Kg			05/10/24 05:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-24 (0-1')

Lab Sample ID: 880-43257-129
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00380**		0.00200		mg/Kg		05/09/24 13:58	05/10/24 01:32	1
Toluene	**0.00264**		0.00200		mg/Kg		05/09/24 13:58	05/10/24 01:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 01:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 13:58	05/10/24 01:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 01:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 13:58	05/10/24 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/09/24 13:58*	*05/10/24 01:32*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/10/24 01:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00644**		0.00400		mg/Kg			05/10/24 01:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/24 03:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 03:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 03:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*05/08/24 16:20*	*05/12/24 03:42*	*1*
o-Terphenyl	*72*		*70 - 130*	*05/08/24 16:20*	*05/12/24 03:42*	*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			05/10/24 05:33	1

Client Sample ID: T-24 (1.5')

Lab Sample ID: 880-43257-130
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/10/24 01:53	1
Toluene	**0.00215**		0.00198		mg/Kg		05/09/24 13:58	05/10/24 01:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:58	05/10/24 01:53	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/09/24 13:58	05/10/24 01:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:58	05/10/24 01:53	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/24 13:58	05/10/24 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/09/24 13:58*	*05/10/24 01:53*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/10/24 01:53*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-24 (1.5')

Lab Sample ID: 880-43257-130
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 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	<49.8	U	49.8		mg/Kg			05/12/24 04:02	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		05/08/24 16:20	05/12/24 04:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 04:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*05/08/24 16:20*	*05/12/24 04:02*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/08/24 16:20*	*05/12/24 04:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.37**		5.02		mg/Kg			05/10/24 05:39	1

Client Sample ID: T-24 (2')

Lab Sample ID: 880-43257-131
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/10/24 03:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:58	05/10/24 03:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:58	05/10/24 03:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/09/24 13:58	05/10/24 03:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:58	05/10/24 03:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/09/24 13:58	05/10/24 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/09/24 13:58*	*05/10/24 03:16*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/10/24 03:16*	*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			05/10/24 03:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/24 04:23	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	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 04:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 04:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-24 (2')

Lab Sample ID: 880-43257-131
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:20	05/12/24 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/08/24 16:20*	*05/12/24 04:23*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/08/24 16:20*	*05/12/24 04:23*	*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			05/10/24 05:59	1

Client Sample ID: T-24 (3')

Lab Sample ID: 880-43257-132
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/10/24 03:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:58	05/10/24 03:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:58	05/10/24 03:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/09/24 13:58	05/10/24 03:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:58	05/10/24 03:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/09/24 13:58	05/10/24 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/09/24 13:58*	*05/10/24 03:36*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/10/24 03:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/10/24 03:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/12/24 04:43	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	<49.7	U	49.7		mg/Kg		05/08/24 16:20	05/12/24 04:43	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:20	05/12/24 04:43	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:20	05/12/24 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*55*	*S1-*	*70 - 130*	*05/08/24 16:20*	*05/12/24 04:43*	*1*
o-Terphenyl	*58*	*S1-*	*70 - 130*	*05/08/24 16:20*	*05/12/24 04:43*	*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			05/10/24 06:05	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-24 (4')

Lab Sample ID: 880-43257-133
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/10/24 03:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 03:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 03:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/09/24 13:58	05/10/24 03:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 03:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/24 13:58	05/10/24 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/09/24 13:58*	*05/10/24 03:57*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/10/24 03:57*	*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			05/10/24 03:57	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			05/12/24 05:04	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	<49.7	U	49.7		mg/Kg		05/08/24 16:20	05/12/24 05:04	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:20	05/12/24 05:04	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:20	05/12/24 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*64*	*S1-*	*70 - 130*	*05/08/24 16:20*	*05/12/24 05:04*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*05/08/24 16:20*	*05/12/24 05:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		4.97		mg/Kg			05/10/24 06:11	1

Client Sample ID: T-25 (0-1')

Lab Sample ID: 880-43257-134
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/10/24 04:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:58	05/10/24 04:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:58	05/10/24 04:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/09/24 13:58	05/10/24 04:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/24 13:58	05/10/24 04:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/09/24 13:58	05/10/24 04:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/09/24 13:58*	*05/10/24 04:17*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 13:58*	*05/10/24 04:17*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-25 (0-1')

Lab Sample ID: 880-43257-134
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 04:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/12/24 05:24	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	<49.6	U	49.6		mg/Kg		05/08/24 16:20	05/12/24 05:24	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:20	05/12/24 05:24	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:20	05/12/24 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*05/08/24 16:20*	*05/12/24 05:24*	*1*
o-Terphenyl	*81*		*70 - 130*	*05/08/24 16:20*	*05/12/24 05:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73.7**		5.04		mg/Kg			05/10/24 06:17	1

Client Sample ID: T-25 (1.5')

Lab Sample ID: 880-43257-135
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/10/24 04:38	1
Toluene	**0.00211**		0.00199		mg/Kg		05/09/24 13:58	05/10/24 04:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:58	05/10/24 04:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 13:58	05/10/24 04:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:58	05/10/24 04:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 13:58	05/10/24 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/09/24 13:58*	*05/10/24 04:38*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/10/24 04:38*	*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			05/10/24 04:38	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			05/12/24 05:45	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	<50.0	U	50.0		mg/Kg		05/08/24 16:20	05/12/24 05:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:20	05/12/24 05:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-25 (1.5')

Lab Sample ID: 880-43257-135
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:20	05/12/24 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/08/24 16:20*	*05/12/24 05:45*	*1*
o-Terphenyl	*88*		*70 - 130*	*05/08/24 16:20*	*05/12/24 05:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.6**		5.03		mg/Kg			05/10/24 06:24	1

Client Sample ID: T-25 (2')

Lab Sample ID: 880-43257-136
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/10/24 04:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 04:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 04:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/09/24 13:58	05/10/24 04:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 04:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/24 13:58	05/10/24 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/09/24 13:58*	*05/10/24 04:58*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/10/24 04:58*	*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			05/10/24 04:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/24 06:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/08/24 16:20	05/12/24 06:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:20	05/12/24 06:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:20	05/12/24 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*05/08/24 16:20*	*05/12/24 06:06*	*1*
o-Terphenyl	*78*		*70 - 130*	*05/08/24 16:20*	*05/12/24 06:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.0**		5.05		mg/Kg			05/10/24 06:30	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-25 (3')

Lab Sample ID: 880-43257-137
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/10/24 05:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:58	05/10/24 05:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:58	05/10/24 05:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/09/24 13:58	05/10/24 05:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 13:58	05/10/24 05:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/24 13:58	05/10/24 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/09/24 13:58*	*05/10/24 05:19*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 13:58*	*05/10/24 05:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/10/24 05:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/24 06:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 06:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 06:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*05/08/24 16:20*	*05/12/24 06:46*	*1*
o-Terphenyl	*91*		*70 - 130*	*05/08/24 16:20*	*05/12/24 06:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.9**		4.99		mg/Kg			05/10/24 06:36	1

Client Sample ID: T-25 (4')

Lab Sample ID: 880-43257-138
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 13:58	05/10/24 05:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:58	05/10/24 05:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:58	05/10/24 05:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 13:58	05/10/24 05:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 13:58	05/10/24 05:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 13:58	05/10/24 05:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/09/24 13:58*	*05/10/24 05:40*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/10/24 05:40*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-25 (4')

Lab Sample ID: 880-43257-138
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 05:40	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			05/12/24 07:07	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		05/08/24 16:20	05/12/24 07:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 07:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 07:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*05/08/24 16:20*	*05/12/24 07:07*	*1*
o-Terphenyl	*93*		*70 - 130*	*05/08/24 16:20*	*05/12/24 07:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**276**		4.98		mg/Kg			05/09/24 14:18	1

Client Sample ID: T-26 (0-1')

Lab Sample ID: 880-43257-139
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00233**		0.00200		mg/Kg		05/09/24 13:58	05/10/24 06:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 06:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 06:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/09/24 13:58	05/10/24 06:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 06:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/24 13:58	05/10/24 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/09/24 13:58*	*05/10/24 06:00*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/10/24 06:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/10/24 06:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**62.6**		49.5		mg/Kg			05/12/24 07:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		05/08/24 16:20	05/12/24 07:28	1
Diesel Range Organics (Over C10-C28)	**62.6**		49.5		mg/Kg		05/08/24 16:20	05/12/24 07:28	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-26 (0-1')

Lab Sample ID: 880-43257-139
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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)	<49.5	U	49.5		mg/Kg		05/08/24 16:20	05/12/24 07:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/08/24 16:20*	*05/12/24 07:28*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/08/24 16:20*	*05/12/24 07:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16700**		99.6		mg/Kg			05/09/24 14:36	20

Client Sample ID: T-26 (1.5')

Lab Sample ID: 880-43257-140
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00330**		0.00200		mg/Kg		05/09/24 13:58	05/10/24 06:20	1
Toluene	**0.00305**		0.00200		mg/Kg		05/09/24 13:58	05/10/24 06:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 06:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 13:58	05/10/24 06:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/10/24 06:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 13:58	05/10/24 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/09/24 13:58*	*05/10/24 06:20*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/09/24 13:58*	*05/10/24 06:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00635**		0.00400		mg/Kg			05/10/24 06:20	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			05/12/24 07:48	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	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 07:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 07:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/08/24 16:20*	*05/12/24 07:48*	*1*
o-Terphenyl	*101*		*70 - 130*	*05/08/24 16:20*	*05/12/24 07:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5780**		49.6		mg/Kg			05/09/24 14:42	10

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-26 (2')

Lab Sample ID: 880-43257-141
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 14:10	05/09/24 23:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 14:10	05/09/24 23:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 14:10	05/09/24 23:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 14:10	05/09/24 23:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 14:10	05/09/24 23:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 14:10	05/09/24 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/09/24 14:10*	*05/09/24 23:38*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/09/24 14:10*	*05/09/24 23:38*	*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			05/09/24 23:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/12/24 08:08	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	<49.7	U	49.7		mg/Kg		05/08/24 16:20	05/12/24 08:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:20	05/12/24 08:08	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:20	05/12/24 08:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*05/08/24 16:20*	*05/12/24 08:08*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/08/24 16:20*	*05/12/24 08:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3620**		25.0		mg/Kg			05/09/24 14:49	5

Client Sample ID: T-26 (3')

Lab Sample ID: 880-43257-142
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 14:10	05/09/24 23:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 14:10	05/09/24 23:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 14:10	05/09/24 23:59	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/09/24 14:10	05/09/24 23:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 14:10	05/09/24 23:59	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/24 14:10	05/09/24 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/09/24 14:10*	*05/09/24 23:59*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/09/24 14:10*	*05/09/24 23:59*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-26 (3')

Lab Sample ID: 880-43257-142
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 23:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/24 08:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 08:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 08:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:20	05/12/24 08:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*05/08/24 16:20*	*05/12/24 08:29*	*1*
o-Terphenyl	*88*		*70 - 130*	*05/08/24 16:20*	*05/12/24 08:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2840**		25.2		mg/Kg			05/09/24 14:55	5

Client Sample ID: T-27 (0-1')

Lab Sample ID: 880-43257-143
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 14:10	05/10/24 00:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 14:10	05/10/24 00:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 14:10	05/10/24 00:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/09/24 14:10	05/10/24 00:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 14:10	05/10/24 00:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/24 14:10	05/10/24 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/09/24 14:10*	*05/10/24 00:20*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/09/24 14:10*	*05/10/24 00:20*	*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			05/10/24 00:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.3**		49.7		mg/Kg			05/12/24 08:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/08/24 16:20	05/12/24 08:49	1
Diesel Range Organics (Over C10-C28)	**55.3**		49.7		mg/Kg		05/08/24 16:20	05/12/24 08:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-27 (0-1')

Lab Sample ID: 880-43257-143
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 16:20	05/12/24 08:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*05/08/24 16:20*	*05/12/24 08:49*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/08/24 16:20*	*05/12/24 08:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4920**		49.7		mg/Kg			05/09/24 15:13	10

Client Sample ID: T-28 (0-1')

Lab Sample ID: 880-43257-144
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 14:10	05/10/24 00:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 14:10	05/10/24 00:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 14:10	05/10/24 00:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 14:10	05/10/24 00:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 14:10	05/10/24 00:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 14:10	05/10/24 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/09/24 14:10*	*05/10/24 00:41*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/24 14:10*	*05/10/24 00:41*	*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			05/10/24 00:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/24 09:10	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		05/08/24 16:20	05/12/24 09:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:20	05/12/24 09:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:20	05/12/24 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*05/08/24 16:20*	*05/12/24 09:10*	*1*
o-Terphenyl	*84*		*70 - 130*	*05/08/24 16:20*	*05/12/24 09:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3180**		25.1		mg/Kg			05/09/24 15:19	5

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-29 (0-1')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-145

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		05/09/24 14:10	05/10/24 01:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 14:10	05/10/24 01:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 14:10	05/10/24 01:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 14:10	05/10/24 01:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 14:10	05/10/24 01:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 14:10	05/10/24 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/09/24 14:10*	*05/10/24 01:01*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 14:10*	*05/10/24 01:01*	*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			05/10/24 01:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/24 09:43	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		05/08/24 16:20	05/12/24 09:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:20	05/12/24 09:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:20	05/12/24 09:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/08/24 16:20*	*05/12/24 09:43*	*1*
o-Terphenyl	*92*		*70 - 130*	*05/08/24 16:20*	*05/12/24 09:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**849**		4.98		mg/Kg			05/09/24 15:25	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-43257-1	T-1 (0-1')	93	103										
880-43257-1 MS	T-1 (0-1')	105	94										
880-43257-1 MSD	T-1 (0-1')	106	95										
880-43257-2	T-1 (1.5')	117	105										
880-43257-3	T-1 (2')	118	101										
880-43257-4	T-1 (3')	118	105										
880-43257-5	T-1 (4')	117	109										
880-43257-6	T-1 (5')	118	101										
880-43257-7	T-2 (0-1')	116	105										
880-43257-8	T-2 (1.5')	118	114										
880-43257-9	T-2 (2')	118	105										
880-43257-10	T-2 (3')	123	104										
880-43257-11	T-2 (4')	98	100										
880-43257-12	T-3 (0-1')	116	106										
880-43257-13	T-3 (1.5')	131 S1+	110										
880-43257-14	T-3 (2')	117	103										
880-43257-15	T-3 (3')	121	107										
880-43257-16	T-3 (4')	120	102										
880-43257-17	T-4 (0-1')	129	111										
880-43257-18	T-4 (1.5')	125	109										
880-43257-19	T-4 (2')	119	104										
880-43257-20	T-4 (3')	122	106										
880-43257-21	T-4 (4')	109	85										
880-43257-21 MS	T-4 (4')	96	115										
880-43257-21 MSD	T-4 (4')	101	95										
880-43257-22	T-5 (0-1')	114	98										
880-43257-23	T-5 (1.5')	103	102										
880-43257-24	T-5 (2')	118	103										
880-43257-25	T-5 (3')	118	104										
880-43257-26	T-5 (4')	111	104										
880-43257-27	T-6 (0-1')	113	99										
880-43257-28	T-6 (1.5')	101	104										
880-43257-29	T-6 (2')	115	107										
880-43257-30	T-6 (3')	119	102										
880-43257-31	T-6 (4')	103	77										
880-43257-32	T-6 (5')	121	104										
880-43257-33	T-6 (6')	109	106										
880-43257-34	T-7 (0-1')	120	98										
880-43257-35	T-7 (1.5')	111	105										
880-43257-36	T-7 (2')	126	99										
880-43257-37	T-7 (3')	126	110										
880-43257-38	T-7 (4')	127	99										
880-43257-39	T-8 (0-1')	120	108										
880-43257-40	T-8 (1.5')	126	112										
880-43257-41	T-8 (2')	100	104										
880-43257-41 MS	T-8 (2')	119	99										
880-43257-41 MSD	T-8 (2')	108	104										
880-43257-42	T-8 (3')	127	113										
880-43257-43	T-8 (4')	123	105										

Surrogate Summary

Client: Carmona Resources Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23) SDG: Lea County, New Mexico

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)								
880-43257-44	T-8 (5')	129	113								
880-43257-45	T-9 (0-1')	125	103								
880-43257-46	T-9 (1.5')	125	103								
880-43257-47	T-9 (2')	122	103								
880-43257-48	T-9 (3')	125	105								
880-43257-49	T-9 (4')	130	104								
880-43257-50	T-9 (5')	123	112								
880-43257-51	T-9 (6')	100	99								
880-43257-52	T-10 (0-1')	116	107								
880-43257-53	T-10 (1.5')	120	105								
880-43257-54	T-10 (2')	121	107								
880-43257-55	T-10 (3')	120	104								
880-43257-56	T-10 (4')	126	108								
880-43257-57	T-11 (0-1')	131 S1+	104								
880-43257-58	T-11 (1.5')	129	115								
880-43257-59	T-11 (2')	129	108								
880-43257-60	T-11 (3')	133 S1+	109								
880-43257-61	T-11 (4')	118	85								
880-43257-61 MS	T-11 (4')	117	123								
880-43257-61 MSD	T-11 (4')	120	110								
880-43257-62	T-11 (5')	127	106								
880-43257-63	T-11 (6')	110	103								
880-43257-64	T-11 (7')	133 S1+	110								
880-43257-65	T-11 (8')	113	94								
880-43257-66	T-12 (0-1')	78	104								
880-43257-67	T-12 (1.5')	119	105								
880-43257-68	T-12 (2')	137 S1+	113								
880-43257-69	T-12 (3')	116	92								
880-43257-70	T-12 (4')	127	109								
880-43257-71	T-12 (5')	129	103								
880-43257-72	T-12 (6')	121	98								
880-43257-73	T-12 (7')	114	105								
880-43257-74	T-13 (0-1')	126	105								
880-43257-75	T-13 (1.5')	133 S1+	111								
880-43257-76	T-13 (2')	127	108								
880-43257-77	T-13 (3')	119	108								
880-43257-78	T-13 (4')	136 S1+	114								
880-43257-79	T-14 (0-1')	127	107								
880-43257-80	T-14 (1.5')	138 S1+	115								
880-43257-81	T-14 (2')	127	99								
880-43257-81 MS	T-14 (2')	124	98								
880-43257-81 MSD	T-14 (2')	126	98								
880-43257-82	T-14 (3')	127	98								
880-43257-83	T-14 (4')	130	100								
880-43257-84	T-15 (0-1')	127	98								
880-43257-85	T-15 (1.5')	128	98								
880-43257-86	T-15 (2')	131 S1+	99								
880-43257-87	T-15 (3')	131 S1+	99								
880-43257-88	T-15 (4')	132 S1+	99								
880-43257-89	T-16 (0-1')	129	98								

Surrogate Summary

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

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)
880-43257-90	T-16 (1.5')	130	99
880-43257-91	T-16 (2')	132 S1+	99
880-43257-92	T-16 (3')	141 S1+	99
880-43257-93	T-16 (4')	132 S1+	99
880-43257-94	T-17 (0-1')	131 S1+	99
880-43257-95	T-17 (1.5')	130	98
880-43257-96	T-17 (2')	132 S1+	99
880-43257-97	T-17 (3')	130	98
880-43257-98	T-17 (4')	134 S1+	99
880-43257-99	T-18 (0-1')	132 S1+	98
880-43257-100	T-18 (1.5')	133 S1+	99
880-43257-101	T-18 (2')	81	92
880-43257-101 MS	T-18 (2')	102	102
880-43257-101 MSD	T-18 (2')	101	105
880-43257-102	T-18 (3')	84	95
880-43257-103	T-18 (4')	86	94
880-43257-104	T-19 (0-1')	84	95
880-43257-105	T-19 (1.5')	85	94
880-43257-106	T-19 (2')	83	92
880-43257-107	T-19 (3')	87	93
880-43257-108	T-19 (4')	88	95
880-43257-109	T-20 (0-1')	86	94
880-43257-110	T-20 (1.5')	85	94
880-43257-111	T-20 (2')	108	104
880-43257-112	T-20 (3')	110	105
880-43257-113	T-20 (4')	108	105
880-43257-114	T-21 (0-1')	106	102
880-43257-115	T-21 (1.5')	110	105
880-43257-116	T-21 (2')	108	104
880-43257-117	T-21 (3')	112	105
880-43257-118	T-21 (4')	109	105
880-43257-119	T-22 (0-1')	110	104
880-43257-120	T-22 (1.5')	111	105
880-43257-121	T-22 (2')	113	105
880-43257-121 MS	T-22 (2')	107	102
880-43257-121 MSD	T-22 (2')	106	101
880-43257-122	T-22 (3')	110	104
880-43257-123	T-22 (4')	110	104
880-43257-124	T-23 (0-1')	111	105
880-43257-125	T-23 (1.5')	113	105
880-43257-126	T-23 (2')	111	104
880-43257-127	T-23 (3')	111	105
880-43257-128	T-23 (4')	112	105
880-43257-129	T-24 (0-1')	111	105
880-43257-130	T-24 (1.5')	111	105
880-43257-131	T-24 (2')	111	105
880-43257-132	T-24 (3')	111	105
880-43257-133	T-24 (4')	112	105
880-43257-134	T-25 (0-1')	109	104
880-43257-135	T-25 (1.5')	111	105

Surrogate Summary

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

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)
880-43257-136	T-25 (2')	110	105
880-43257-137	T-25 (3')	110	104
880-43257-138	T-25 (4')	110	105
880-43257-139	T-26 (0-1')	110	105
880-43257-140	T-26 (1.5')	111	105
880-43257-141	T-26 (2')	101	102
880-43257-141 MS	T-26 (2')	115	100
880-43257-141 MSD	T-26 (2')	114	95
880-43257-142	T-26 (3')	101	101
880-43257-143	T-27 (0-1')	101	101
880-43257-144	T-28 (0-1')	110	98
880-43257-145	T-29 (0-1')	104	99
890-6645-A-1-B MS	Matrix Spike	111	103
890-6645-A-1-C MSD	Matrix Spike Duplicate	111	103
LCS 880-80339/1-A	Lab Control Sample	96	101
LCS 880-80340/1-A	Lab Control Sample	97	89
LCS 880-80341/1-A	Lab Control Sample	106	98
LCS 880-80342/1-A	Lab Control Sample	108	90
LCS 880-80358/1-A	Lab Control Sample	126	98
LCS 880-80364/1-A	Lab Control Sample	88	106
LCS 880-80365/1-A	Lab Control Sample	106	101
LCS 880-80368/1-A	Lab Control Sample	106	101
LCS 880-80419/1-A	Lab Control Sample	105	101
LCSD 880-80339/2-A	Lab Control Sample Dup	111	93
LCSD 880-80340/2-A	Lab Control Sample Dup	109	108
LCSD 880-80341/2-A	Lab Control Sample Dup	120	97
LCSD 880-80342/2-A	Lab Control Sample Dup	105	97
LCSD 880-80358/2-A	Lab Control Sample Dup	126	98
LCSD 880-80364/2-A	Lab Control Sample Dup	58 S1-	97
LCSD 880-80365/2-A	Lab Control Sample Dup	105	101
LCSD 880-80368/2-A	Lab Control Sample Dup	115	100
LCSD 880-80419/2-A	Lab Control Sample Dup	107	102
MB 880-80276/5-A	Method Blank	110	102
MB 880-80328/5-A	Method Blank	79	95
MB 880-80329/5-A	Method Blank	122	97
MB 880-80339/5-A	Method Blank	190 S1+	126
MB 880-80340/5-A	Method Blank	73	99
MB 880-80341/5-A	Method Blank	209 S1+	132 S1+
MB 880-80342/5-A	Method Blank	76	108
MB 880-80358/5-A	Method Blank	125	96
MB 880-80364/5-A	Method Blank	78	94
MB 880-80365/5-A	Method Blank	110	102
MB 880-80368/5-A	Method Blank	79	95
MB 880-80419/5-A	Method Blank	110	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

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)								
880-42977-A-1-E MS	Matrix Spike	139 S1+	118								
880-42977-A-1-F MSD	Matrix Spike Duplicate	146 S1+	125								
880-43254-A-21-F MS	Matrix Spike	115	105								
880-43254-A-21-G MSD	Matrix Spike Duplicate	102	99								
880-43257-1	T-1 (0-1')	98	106								
880-43257-2	T-1 (1.5')	105	115								
880-43257-3	T-1 (2')	88	97								
880-43257-4	T-1 (3')	96	108								
880-43257-5	T-1 (4')	91	94								
880-43257-6	T-1 (5')	92	93								
880-43257-7	T-2 (0-1')	106	116								
880-43257-7 MS	T-2 (0-1')	106	104								
880-43257-7 MSD	T-2 (0-1')	109	104								
880-43257-8	T-2 (1.5')	102	113								
880-43257-9	T-2 (2')	120	136 S1+								
880-43257-10	T-2 (3')	105	116								
880-43257-11	T-2 (4')	99	110								
880-43257-12	T-3 (0-1')	96	107								
880-43257-13	T-3 (1.5')	107	121								
880-43257-14	T-3 (2')	105	120								
880-43257-15	T-3 (3')	107	120								
880-43257-16	T-3 (4')	115	127								
880-43257-17	T-4 (0-1')	107	116								
880-43257-18	T-4 (1.5')	100	111								
880-43257-19	T-4 (2')	116	128								
880-43257-20	T-4 (3')	106	117								
880-43257-21	T-4 (4')	100	108								
880-43257-22	T-5 (0-1')	105	115								
880-43257-23	T-5 (1.5')	101	112								
880-43257-24	T-5 (2')	106	116								
880-43257-25	T-5 (3')	109	120								
880-43257-26	T-5 (4')	104	114								
880-43257-27	T-6 (0-1')	116	126								
880-43257-27 MS	T-6 (0-1')	87	85								
880-43257-27 MSD	T-6 (0-1')	94	91								
880-43257-28	T-6 (1.5')	94	101								
880-43257-29	T-6 (2')	80	86								
880-43257-30	T-6 (3')	103	109								
880-43257-31	T-6 (4')	103	110								
880-43257-32	T-6 (5')	81	87								
880-43257-33	T-6 (6')	90	97								
880-43257-34	T-7 (0-1')	105	109								
880-43257-35	T-7 (1.5')	90	96								
880-43257-36	T-7 (2')	88	93								
880-43257-37	T-7 (3')	103	109								
880-43257-38	T-7 (4')	100	104								
880-43257-39	T-8 (0-1')	91	97								
880-43257-40	T-8 (1.5')	104	111								
880-43257-41	T-8 (2')	102	111								
880-43257-42	T-8 (3')	91	98								

Surrogate Summary

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-43257-43	T-8 (4')	96	105								
880-43257-44	T-8 (5')	102	109								
880-43257-45	T-9 (0-1')	106	110								
880-43257-46	T-9 (1.5')	83	90								
880-43257-47	T-9 (2')	120	134 S1+								
880-43257-47 MS	T-9 (2')	87	89								
880-43257-47 MSD	T-9 (2')	101	99								
880-43257-48	T-9 (3')	97	107								
880-43257-49	T-9 (4')	87	97								
880-43257-50	T-9 (5')	104	115								
880-43257-51	T-9 (6')	89	99								
880-43257-52	T-10 (0-1')	98	106								
880-43257-53	T-10 (1.5')	100	113								
880-43257-54	T-10 (2')	91	100								
880-43257-55	T-10 (3')	94	101								
880-43257-56	T-10 (4')	104	112								
880-43257-57	T-11 (0-1')	111	117								
880-43257-58	T-11 (1.5')	111	122								
880-43257-59	T-11 (2')	112	122								
880-43257-60	T-11 (3')	109	120								
880-43257-61	T-11 (4')	93	101								
880-43257-62	T-11 (5')	112	125								
880-43257-63	T-11 (6')	83	90								
880-43257-64	T-11 (7')	87	94								
880-43257-65	T-11 (8')	87	95								
880-43257-66	T-12 (0-1')	84	92								
880-43257-67	T-12 (1.5')	114	126								
880-43257-67 MS	T-12 (1.5')	95	91								
880-43257-67 MSD	T-12 (1.5')	93	90								
880-43257-68	T-12 (2')	105	116								
880-43257-69	T-12 (3')	78	87								
880-43257-70	T-12 (4')	97	108								
880-43257-71	T-12 (5')	100	109								
880-43257-72	T-12 (6')	106	117								
880-43257-73	T-12 (7')	94	105								
880-43257-74	T-13 (0-1')	85	94								
880-43257-75	T-13 (1.5')	92	100								
880-43257-76	T-13 (2')	95	103								
880-43257-77	T-13 (3')	96	106								
880-43257-78	T-13 (4')	95	105								
880-43257-79	T-14 (0-1')	105	112								
880-43257-80	T-14 (1.5')	91	101								
880-43257-81	T-14 (2')	91	100								
880-43257-82	T-14 (3')	84	92								
880-43257-83	T-14 (4')	87	95								
880-43257-84	T-15 (0-1')	97	107								
880-43257-85	T-15 (1.5')	90	101								
880-43257-86	T-15 (2')	92	103								
880-43257-87	T-15 (3')	89	98								
880-43257-87 MS	T-15 (3')	91	91								

Surrogate Summary

Client: Carmona Resources Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23) SDG: Lea County, New Mexico

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-43257-87 MSD	T-15 (3')	99	98								
880-43257-88	T-15 (4')	120	131 S1+								
880-43257-89	T-16 (0-1')	81	86								
880-43257-90	T-16 (1.5')	89	96								
880-43257-91	T-16 (2')	106	117								
880-43257-92	T-16 (3')	85	90								
880-43257-93	T-16 (4')	83	91								
880-43257-94	T-17 (0-1')	80	86								
880-43257-95	T-17 (1.5')	70	76								
880-43257-96	T-17 (2')	77	86								
880-43257-97	T-17 (3')	84	92								
880-43257-98	T-17 (4')	78	87								
880-43257-99	T-18 (0-1')	75	83								
880-43257-100	T-18 (1.5')	88	99								
880-43257-101	T-18 (2')	82	90								
880-43257-102	T-18 (3')	76	84								
880-43257-103	T-18 (4')	83	92								
880-43257-104	T-19 (0-1')	72	81								
880-43257-105	T-19 (1.5')	88	99								
880-43257-106	T-19 (2')	84	92								
880-43257-107	T-19 (3')	110	119								
880-43257-107 MS	T-19 (3')	103	99								
880-43257-107 MSD	T-19 (3')	75	72								
880-43257-108	T-19 (4')	107	114								
880-43257-109	T-20 (0-1')	92	96								
880-43257-110	T-20 (1.5')	82	87								
880-43257-111	T-20 (2')	87	95								
880-43257-112	T-20 (3')	96	102								
880-43257-113	T-20 (4')	96	102								
880-43257-114	T-21 (0-1')	97	104								
880-43257-115	T-21 (1.5')	84	89								
880-43257-116	T-21 (2')	106	111								
880-43257-117	T-21 (3')	85	90								
880-43257-118	T-21 (4')	84	89								
880-43257-119	T-22 (0-1')	79	85								
880-43257-120	T-22 (1.5')	92	100								
880-43257-121	T-22 (2')	80	86								
880-43257-122	T-22 (3')	72	78								
880-43257-123	T-22 (4')	84	90								
880-43257-124	T-23 (0-1')	97	101								
880-43257-125	T-23 (1.5')	92	96								
880-43257-126	T-23 (2')	81	88								
880-43257-127	T-23 (3')	89	95								
880-43257-127 MS	T-23 (3')	95	94								
880-43257-127 MSD	T-23 (3')	85	83								
880-43257-128	T-23 (4')	67 S1-	74								
880-43257-129	T-24 (0-1')	69 S1-	72								
880-43257-130	T-24 (1.5')	83	89								
880-43257-131	T-24 (2')	81	89								
880-43257-132	T-24 (3')	55 S1-	58 S1-								

Surrogate Summary

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-43257-133	T-24 (4')	64 S1-	69 S1-								
880-43257-134	T-25 (0-1')	74	81								
880-43257-135	T-25 (1.5')	84	88								
880-43257-136	T-25 (2')	71	78								
880-43257-137	T-25 (3')	83	91								
880-43257-138	T-25 (4')	86	93								
880-43257-139	T-26 (0-1')	97	103								
880-43257-140	T-26 (1.5')	93	101								
880-43257-141	T-26 (2')	83	90								
880-43257-142	T-26 (3')	80	88								
880-43257-143	T-27 (0-1')	82	89								
880-43257-144	T-28 (0-1')	77	84								
880-43257-145	T-29 (0-1')	84	92								
LCS 880-79949/2-A	Lab Control Sample	110	92								
LCS 880-80281/2-A	Lab Control Sample	84	81								
LCS 880-80282/2-A	Lab Control Sample	98	90								
LCS 880-80284/2-A	Lab Control Sample	101	92								
LCS 880-80285/2-A	Lab Control Sample	97	90								
LCS 880-80286/2-A	Lab Control Sample	99	95								
LCS 880-80287/2-A	Lab Control Sample	83	80								
LCS 880-80290/2-A	Lab Control Sample	103	93								
LCS 880-80296/2-A	Lab Control Sample	101	93								
LCSD 880-79949/3-A	Lab Control Sample Dup	112	94								
LCSD 880-80281/3-A	Lab Control Sample Dup	98	97								
LCSD 880-80282/3-A	Lab Control Sample Dup	106	99								
LCSD 880-80284/3-A	Lab Control Sample Dup	95	89								
LCSD 880-80285/3-A	Lab Control Sample Dup	98	90								
LCSD 880-80286/3-A	Lab Control Sample Dup	95	92								
LCSD 880-80287/3-A	Lab Control Sample Dup	97	93								
LCSD 880-80290/3-A	Lab Control Sample Dup	101	91								
LCSD 880-80296/3-A	Lab Control Sample Dup	102	95								
MB 880-79949/1-A	Method Blank	120	122								
MB 880-80281/1-A	Method Blank	113	125								
MB 880-80282/1-A	Method Blank	109	122								
MB 880-80284/1-A	Method Blank	94	104								
MB 880-80285/1-A	Method Blank	98	108								
MB 880-80286/1-A	Method Blank	103	115								
MB 880-80287/1-A	Method Blank	119	134 S1+								
MB 880-80290/1-A	Method Blank	115	125								
MB 880-80296/1-A	Method Blank	115	127								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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: MB 880-80328/5-A
Matrix: Solid
Analysis Batch: 80319

Client Sample ID: Method Blank
Prep Type: Total/NA
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: MB 880-80329/5-A
Matrix: Solid
Analysis Batch: 80322

Client Sample ID: Method Blank
Prep Type: Total/NA
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: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-80339/5-A
Matrix: Solid
Analysis Batch: 80321

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 12:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 12:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 12:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 10:34	05/09/24 12:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:34	05/09/24 12:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 10:34	05/09/24 12:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*190*	*S1+*	*70 - 130*	*05/09/24 10:34*	*05/09/24 12:01*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*05/09/24 10:34*	*05/09/24 12:01*	*1*

Lab Sample ID: LCS 880-80339/1-A
Matrix: Solid
Analysis Batch: 80321

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1094		mg/Kg		109	70 - 130
Toluene	0.100	0.1012		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1202		mg/Kg		120	70 - 130
m-Xylene & p-Xylene	0.200	0.2013		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09430		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-80339/2-A
Matrix: Solid
Analysis Batch: 80321

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80339

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1063		mg/Kg		106	70 - 130	3	35
Toluene	0.100	0.1020		mg/Kg		102	70 - 130	1	35
Ethylbenzene	0.100	0.1408	*+	mg/Kg		141	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2661	*+	mg/Kg		133	70 - 130	28	35
o-Xylene	0.100	0.1136		mg/Kg		114	70 - 130	19	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 880-43257-1 MS
Matrix: Solid
Analysis Batch: 80321

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 80339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.07583		mg/Kg		76	70 - 130
Toluene	<0.00201	U	0.100	0.07484		mg/Kg		75	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-1 MS
Matrix: Solid
Analysis Batch: 80321

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 80339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U *+	0.100	0.08301		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00402	U *+	0.200	0.1470		mg/Kg		73	70 - 130
o-Xylene	<0.00201	U	0.100	0.07280		mg/Kg		73	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-43257-1 MSD
Matrix: Solid
Analysis Batch: 80321

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 80339

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	0.09729		mg/Kg		97	70 - 130	25	35
Toluene	<0.00201	U	0.100	0.09295		mg/Kg		93	70 - 130	22	35
Ethylbenzene	<0.00201	U *+	0.100	0.1030		mg/Kg		103	70 - 130	21	35
m-Xylene & p-Xylene	<0.00402	U *+	0.200	0.1844		mg/Kg		92	70 - 130	23	35
o-Xylene	<0.00201	U	0.100	0.09026		mg/Kg		90	70 - 130	21	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-80340/5-A
Matrix: Solid
Analysis Batch: 80318

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80340

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 16:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 16:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 16:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 10:36	05/09/24 16:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:36	05/09/24 16:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 10:36	05/09/24 16:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*05/09/24 10:36*	*05/09/24 16:16*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/24 10:36*	*05/09/24 16:16*	*1*

Lab Sample ID: LCS 880-80340/1-A
Matrix: Solid
Analysis Batch: 80318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80340

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09829		mg/Kg		98	70 - 130
Toluene	0.100	0.1021		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.09633		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1980		mg/Kg		99	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-80340/1-A
Matrix: Solid
Analysis Batch: 80318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80340

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1023		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-80340/2-A
Matrix: Solid
Analysis Batch: 80318

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80340

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1031		mg/Kg		103	70 - 130	5	35
Toluene			0.100	0.1061		mg/Kg		106	70 - 130	4	35
Ethylbenzene			0.100	0.1030		mg/Kg		103	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.2138		mg/Kg		107	70 - 130	8	35
o-Xylene			0.100	0.1079		mg/Kg		108	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-43257-21 MS
Matrix: Solid
Analysis Batch: 80318

Client Sample ID: T-4 (4')
Prep Type: Total/NA
Prep Batch: 80340

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.09585		mg/Kg		96	70 - 130		
Toluene	<0.00201	U	0.100	0.09937		mg/Kg		99	70 - 130		
Ethylbenzene	<0.00201	U	0.100	0.09099		mg/Kg		91	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1879		mg/Kg		94	70 - 130		
o-Xylene	<0.00201	U	0.100	0.09609		mg/Kg		96	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: 880-43257-21 MSD
Matrix: Solid
Analysis Batch: 80318

Client Sample ID: T-4 (4')
Prep Type: Total/NA
Prep Batch: 80340

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	0.09157		mg/Kg		92	70 - 130	5	35
Toluene	<0.00201	U	0.100	0.09253		mg/Kg		93	70 - 130	7	35
Ethylbenzene	<0.00201	U	0.100	0.08512		mg/Kg		85	70 - 130	7	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1752		mg/Kg		88	70 - 130	7	35
o-Xylene	<0.00201	U	0.100	0.08849		mg/Kg		88	70 - 130	8	35

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-21 MSD
Matrix: Solid
Analysis Batch: 80318

Client Sample ID: T-4 (4')
Prep Type: Total/NA
Prep Batch: 80340

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-80341/5-A
Matrix: Solid
Analysis Batch: 80321

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/09/24 23:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/09/24 23:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/09/24 23:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 10:41	05/09/24 23:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:41	05/09/24 23:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 10:41	05/09/24 23:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	209	S1+	70 - 130	05/09/24 10:41	05/09/24 23:41	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130	05/09/24 10:41	05/09/24 23:41	1

Lab Sample ID: LCS 880-80341/1-A
Matrix: Solid
Analysis Batch: 80321

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09606		mg/Kg		96	70 - 130
Toluene	0.100	0.09222		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09980		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2128		mg/Kg		106	70 - 130
o-Xylene	0.100	0.09689		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-80341/2-A
Matrix: Solid
Analysis Batch: 80321

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80341

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1134		mg/Kg		113	70 - 130	17	35
Toluene	0.100	0.1036		mg/Kg		104	70 - 130	12	35
Ethylbenzene	0.100	0.1210		mg/Kg		121	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.2735	*+	mg/Kg		137	70 - 130	25	35
o-Xylene	0.100	0.1224		mg/Kg		122	70 - 130	23	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-80341/2-A
Matrix: Solid
Analysis Batch: 80321

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80341

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

Lab Sample ID: 880-43257-41 MS
Matrix: Solid
Analysis Batch: 80321

Client Sample ID: T-8 (2')
Prep Type: Total/NA
Prep Batch: 80341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0996	0.09493		mg/Kg		95	70 - 130
Toluene	<0.00201	U	0.0996	0.09156		mg/Kg		92	70 - 130
Ethylbenzene	<0.00201	U	0.0996	0.1037		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00402	U *+	0.199	0.2272		mg/Kg		114	70 - 130
o-Xylene	<0.00201	U	0.0996	0.1019		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-43257-41 MSD
Matrix: Solid
Analysis Batch: 80321

Client Sample ID: T-8 (2')
Prep Type: Total/NA
Prep Batch: 80341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.101	0.09412		mg/Kg		93	70 - 130	1	35
Toluene	<0.00201	U	0.101	0.08700		mg/Kg		86	70 - 130	5	35
Ethylbenzene	<0.00201	U	0.101	0.09387		mg/Kg		93	70 - 130	10	35
m-Xylene & p-Xylene	<0.00402	U *+	0.202	0.2004		mg/Kg		99	70 - 130	13	35
o-Xylene	<0.00201	U	0.101	0.09178		mg/Kg		91	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-80342/5-A
Matrix: Solid
Analysis Batch: 80318

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80342

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 06:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 06:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 06:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 10:45	05/10/24 06:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 10:45	05/10/24 06:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 10:45	05/10/24 06:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	05/09/24 10:45	05/10/24 06:03	1
1,4-Difluorobenzene (Surr)	108		70 - 130	05/09/24 10:45	05/10/24 06:03	1

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-80342/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80318 — **Prep Batch: 80342**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1131		mg/Kg		113	70 - 130		
Toluene			0.100	0.1110		mg/Kg		111	70 - 130		
Ethylbenzene			0.100	0.1063		mg/Kg		106	70 - 130		
m-Xylene & p-Xylene			0.200	0.2194		mg/Kg		110	70 - 130		
o-Xylene			0.100	0.1130		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-80342/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80318 — **Prep Batch: 80342**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1147		mg/Kg		115	70 - 130	1	35
Toluene			0.100	0.1157		mg/Kg		116	70 - 130	4	35
Ethylbenzene			0.100	0.1063		mg/Kg		106	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.2187		mg/Kg		109	70 - 130	0	35
o-Xylene			0.100	0.1116		mg/Kg		112	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-43257-61 MS — **Client Sample ID: T-11 (4')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80318 — **Prep Batch: 80342**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U	0.101	0.1033		mg/Kg		103	70 - 130		
Toluene	<0.00198	U	0.101	0.09912		mg/Kg		98	70 - 130		
Ethylbenzene	<0.00198	U	0.101	0.09427		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene	<0.00397	U	0.202	0.1940		mg/Kg		96	70 - 130		
o-Xylene	<0.00198	U	0.101	0.09931		mg/Kg		99	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*

Lab Sample ID: 880-43257-61 MSD — **Client Sample ID: T-11 (4')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80318 — **Prep Batch: 80342**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0990	0.09399		mg/Kg		95	70 - 130	9	35
Toluene	<0.00198	U	0.0990	0.09194		mg/Kg		93	70 - 130	8	35
Ethylbenzene	<0.00198	U	0.0990	0.08765		mg/Kg		89	70 - 130	7	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-61 MSD
Matrix: Solid
Analysis Batch: 80318

Client Sample ID: T-11 (4')
Prep Type: Total/NA
Prep Batch: 80342

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00397	U	0.198	0.1793		mg/Kg		91	70 - 130	8	35
o-Xylene	<0.00198	U	0.0990	0.09347		mg/Kg		94	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: MB 880-80358/5-A
Matrix: Solid
Analysis Batch: 80322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80358

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/09/24 23:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/09/24 23:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/09/24 23:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 13:06	05/09/24 23:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:06	05/09/24 23:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 13:06	05/09/24 23:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/09/24 13:06*	*05/09/24 23:07*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/09/24 13:06*	*05/09/24 23:07*	*1*

Lab Sample ID: LCS 880-80358/1-A
Matrix: Solid
Analysis Batch: 80322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1075		mg/Kg		107	70 - 130
Toluene	0.100	0.1059		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1060		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2229		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1119		mg/Kg		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-80358/2-A
Matrix: Solid
Analysis Batch: 80322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80358

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1116		mg/Kg		112	70 - 130	4	35
Toluene	0.100	0.1096		mg/Kg		110	70 - 130	3	35
Ethylbenzene	0.100	0.1101		mg/Kg		110	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2313		mg/Kg		116	70 - 130	4	35
o-Xylene	0.100	0.1157		mg/Kg		116	70 - 130	3	35

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-43257-81 MS — **Client Sample ID: T-14 (2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80322 — **Prep Batch: 80358**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.09466		mg/Kg		94	70 - 130
Toluene	<0.00201	U	0.101	0.09490		mg/Kg		94	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.09724		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2023		mg/Kg		100	70 - 130
o-Xylene	<0.00201	U	0.101	0.1019		mg/Kg		101	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-43257-81 MSD — **Client Sample ID: T-14 (2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80322 — **Prep Batch: 80358**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.09381		mg/Kg		94	70 - 130	1	35
Toluene	<0.00201	U	0.0998	0.09436		mg/Kg		95	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.0998	0.09671		mg/Kg		97	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2012		mg/Kg		101	70 - 130	1	35
o-Xylene	<0.00201	U	0.0998	0.1016		mg/Kg		102	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-80364/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80367 — **Prep Batch: 80364**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:56	05/09/24 16:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:56	05/09/24 16:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:56	05/09/24 16:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 13:56	05/09/24 16:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:56	05/09/24 16:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 13:56	05/09/24 16:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	05/09/24 13:56	05/09/24 16:55	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/09/24 13:56	05/09/24 16:55	1

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-80364/1-A
Matrix: Solid
Analysis Batch: 80367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80364

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09314		mg/Kg		93	70 - 130		
Toluene			0.100	0.08575		mg/Kg		86	70 - 130		
Ethylbenzene			0.100	0.08839		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene			0.200	0.1715		mg/Kg		86	70 - 130		
o-Xylene			0.100	0.07786		mg/Kg		78	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-80364/2-A
Matrix: Solid
Analysis Batch: 80367

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80364

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09343		mg/Kg		93	70 - 130	0	35
Toluene			0.100	0.08244		mg/Kg		82	70 - 130	4	35
Ethylbenzene			0.100	0.08112		mg/Kg		81	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.1538		mg/Kg		77	70 - 130	11	35
o-Xylene			0.100	0.06632	*-	mg/Kg		66	70 - 130	16	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*58*	*S1-*	*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-43257-101 MS
Matrix: Solid
Analysis Batch: 80367

Client Sample ID: T-18 (2')
Prep Type: Total/NA
Prep Batch: 80364

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.101	0.09265		mg/Kg		92	70 - 130		
Toluene	<0.00201	U	0.101	0.09347		mg/Kg		93	70 - 130		
Ethylbenzene	<0.00201	U	0.101	0.1069		mg/Kg		106	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2069		mg/Kg		103	70 - 130		
o-Xylene	<0.00201	U *-	0.101	0.09345		mg/Kg		93	70 - 130		

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

Lab Sample ID: 880-43257-101 MSD
Matrix: Solid
Analysis Batch: 80367

Client Sample ID: T-18 (2')
Prep Type: Total/NA
Prep Batch: 80364

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.08350		mg/Kg		84	70 - 130	10	35
Toluene	<0.00201	U	0.0998	0.08160		mg/Kg		82	70 - 130	14	35
Ethylbenzene	<0.00201	U	0.0998	0.09074		mg/Kg		91	70 - 130	16	35

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-101 MSD
Matrix: Solid
Analysis Batch: 80367

Client Sample ID: T-18 (2')
Prep Type: Total/NA
Prep Batch: 80364

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	0.1779		mg/Kg		89	70 - 130	15	35
o-Xylene	<0.00201	U *-	0.0998	0.08072		mg/Kg		81	70 - 130	15	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-80365/5-A
Matrix: Solid
Analysis Batch: 80323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/09/24 22:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/09/24 22:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/09/24 22:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 13:58	05/09/24 22:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 13:58	05/09/24 22:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 13:58	05/09/24 22:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/09/24 13:58*	*05/09/24 22:27*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/09/24 13:58*	*05/09/24 22:27*	*1*

Lab Sample ID: LCS 880-80365/1-A
Matrix: Solid
Analysis Batch: 80323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1033		mg/Kg		103	70 - 130
Toluene	0.100	0.1016		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1047		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2151		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1096		mg/Kg		110	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-80365/2-A
Matrix: Solid
Analysis Batch: 80323

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80365

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1029		mg/Kg		103	70 - 130	0	35
Toluene	0.100	0.1008		mg/Kg		101	70 - 130	1	35
Ethylbenzene	0.100	0.1040		mg/Kg		104	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2137		mg/Kg		107	70 - 130	1	35
o-Xylene	0.100	0.1085		mg/Kg		108	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-43257-121 MS — **Client Sample ID: T-22 (2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80323 — **Prep Batch: 80365**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.09591		mg/Kg		95	70 - 130
Toluene	<0.00201	U	0.101	0.09425		mg/Kg		93	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.09714		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1995		mg/Kg		99	70 - 130
o-Xylene	<0.00201	U	0.101	0.1012		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-43257-121 MSD — **Client Sample ID: T-22 (2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80323 — **Prep Batch: 80365**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.09646		mg/Kg		97	70 - 130	1	35
Toluene	<0.00201	U	0.0998	0.09415		mg/Kg		94	70 - 130	0	35
Ethylbenzene	<0.00201	U	0.0998	0.09687		mg/Kg		97	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1978		mg/Kg		99	70 - 130	1	35
o-Xylene	<0.00201	U	0.0998	0.1005		mg/Kg		101	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-80368/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80319 — **Prep Batch: 80368**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/24 14:10	05/09/24 23:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/24 14:10	05/09/24 23:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/24 14:10	05/09/24 23:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/24 14:10	05/09/24 23:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/24 14:10	05/09/24 23:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/24 14:10	05/09/24 23:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	05/09/24 14:10	05/09/24 23:17	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/09/24 14:10	05/09/24 23:17	1

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-80368/1-A
Matrix: Solid
Analysis Batch: 80319

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80368

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1114		mg/Kg		111	70 - 130		
Toluene			0.100	0.1128		mg/Kg		113	70 - 130		
Ethylbenzene			0.100	0.1096		mg/Kg		110	70 - 130		
m-Xylene & p-Xylene			0.200	0.2209		mg/Kg		110	70 - 130		
o-Xylene			0.100	0.1110		mg/Kg		111	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-80368/2-A
Matrix: Solid
Analysis Batch: 80319

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80368

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1174		mg/Kg		117	70 - 130	5	35
Toluene			0.100	0.1162		mg/Kg		116	70 - 130	3	35
Ethylbenzene			0.100	0.1132		mg/Kg		113	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2284		mg/Kg		114	70 - 130	3	35
o-Xylene			0.100	0.1153		mg/Kg		115	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-43257-141 MS
Matrix: Solid
Analysis Batch: 80319

Client Sample ID: T-26 (2')
Prep Type: Total/NA
Prep Batch: 80368

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.1052		mg/Kg		105	70 - 130		
Toluene	<0.00201	U	0.100	0.1049		mg/Kg		105	70 - 130		
Ethylbenzene	<0.00201	U	0.100	0.1021		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2051		mg/Kg		103	70 - 130		
o-Xylene	<0.00201	U	0.100	0.1025		mg/Kg		102	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-43257-141 MSD
Matrix: Solid
Analysis Batch: 80319

Client Sample ID: T-26 (2')
Prep Type: Total/NA
Prep Batch: 80368

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	0.1019		mg/Kg		102	70 - 130	3	35
Toluene	<0.00201	U	0.100	0.1058		mg/Kg		106	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.1033		mg/Kg		103	70 - 130	1	35

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-141 MSD
Matrix: Solid
Analysis Batch: 80319

Client Sample ID: T-26 (2')
Prep Type: Total/NA
Prep Batch: 80368

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	0.2080		mg/Kg		104	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.1035		mg/Kg		104	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-80419/5-A
Matrix: Solid
Analysis Batch: 80408

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80419

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 10:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 10:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 10:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/10/24 08:12	05/10/24 10:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/10/24 08:12	05/10/24 10:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/10/24 08:12	05/10/24 10:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/10/24 08:12*	*05/10/24 10:45*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/10/24 08:12*	*05/10/24 10:45*	*1*

Lab Sample ID: LCS 880-80419/1-A
Matrix: Solid
Analysis Batch: 80408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80419

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1004		mg/Kg		100	70 - 130
Toluene	0.100	0.09942		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1037		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2127		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1074		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-80419/2-A
Matrix: Solid
Analysis Batch: 80408

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80419

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1063		mg/Kg		106	70 - 130	6	35
Toluene	0.100	0.1047		mg/Kg		105	70 - 130	5	35
Ethylbenzene	0.100	0.1085		mg/Kg		109	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2241		mg/Kg		112	70 - 130	5	35
o-Xylene	0.100	0.1136		mg/Kg		114	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-6645-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80408 — **Prep Batch: 80419**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09319		mg/Kg		93	70 - 130
Toluene	<0.00201	U	0.100	0.09047		mg/Kg		90	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.09216		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1900		mg/Kg		95	70 - 130
o-Xylene	<0.00201	U	0.100	0.09636		mg/Kg		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-6645-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80408 — **Prep Batch: 80419**

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	0.09299		mg/Kg		93	70 - 130	0	35
Toluene	<0.00201	U	0.100	0.09011		mg/Kg		90	70 - 130	0	35
Ethylbenzene	<0.00201	U	0.100	0.09172		mg/Kg		92	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1904		mg/Kg		95	70 - 130	0	35
o-Xylene	<0.00201	U	0.100	0.09754		mg/Kg		98	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-79949/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80304 — **Prep Batch: 79949**

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		05/03/24 15:51	05/08/24 18:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/03/24 15:51	05/08/24 18:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/03/24 15:51	05/08/24 18:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	05/03/24 15:51	05/08/24 18:21	1
o-Terphenyl	122		70 - 130	05/03/24 15:51	05/08/24 18:21	1

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-79949/2-A
Matrix: Solid
Analysis Batch: 80304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79949

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	961.4		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	873.9		mg/Kg		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: LCSD 880-79949/3-A
Matrix: Solid
Analysis Batch: 80304

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79949

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1036		mg/Kg		104	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	897.7		mg/Kg		90	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*112*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: 880-42977-A-1-E MS
Matrix: Solid
Analysis Batch: 80304

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 79949

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	1010	1241		mg/Kg		123	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	1107		mg/Kg		108	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*139*	*S1+*	*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Lab Sample ID: 880-42977-A-1-F MSD
Matrix: Solid
Analysis Batch: 80304

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 79949

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	1010	1201		mg/Kg		119	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1010	1181		mg/Kg		116	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*146*	*S1+*	*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-42977-A-1-F MSD
Matrix: Solid
Analysis Batch: 80304

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 79949

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	125		70 - 130

Lab Sample ID: MB 880-80281/1-A
Matrix: Solid
Analysis Batch: 80522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80281

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 16:20	05/12/24 01:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:20	05/12/24 01:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:20	05/12/24 01:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	05/08/24 16:20	05/12/24 01:19	1
o-Terphenyl	125		70 - 130	05/08/24 16:20	05/12/24 01:19	1

Lab Sample ID: LCS 880-80281/2-A
Matrix: Solid
Analysis Batch: 80522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80281

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	863.8		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	825.4		mg/Kg		83	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: LCSD 880-80281/3-A
Matrix: Solid
Analysis Batch: 80522

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80281

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	980.2		mg/Kg		98	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	918.2		mg/Kg		92	70 - 130	11	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	97		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-127 MS
Matrix: Solid
Analysis Batch: 80522

Client Sample ID: T-23 (3')
Prep Type: Total/NA
Prep Batch: 80281

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	737.2		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	648.0	F1	mg/Kg		65	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: 880-43257-127 MSD
Matrix: Solid
Analysis Batch: 80522

Client Sample ID: T-23 (3')
Prep Type: Total/NA
Prep Batch: 80281

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	669.9	F1	mg/Kg		65	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	574.1	F1	mg/Kg		57	70 - 130	12	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Lab Sample ID: MB 880-80282/1-A
Matrix: Solid
Analysis Batch: 80522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80282

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 16:25	05/11/24 08:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:25	05/11/24 08:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:25	05/11/24 08:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/08/24 16:25*	*05/11/24 08:25*	*1*
o-Terphenyl	*122*		*70 - 130*	*05/08/24 16:25*	*05/11/24 08:25*	*1*

Lab Sample ID: LCS 880-80282/2-A
Matrix: Solid
Analysis Batch: 80522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1096		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1098		mg/Kg		110	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-80282/2-A
Matrix: Solid
Analysis Batch: 80522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80282

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: LCSD 880-80282/3-A
Matrix: Solid
Analysis Batch: 80522

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80282

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1045		mg/Kg		104	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1032		mg/Kg		103	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-43257-107 MS
Matrix: Solid
Analysis Batch: 80522

Client Sample ID: T-19 (3')
Prep Type: Total/NA
Prep Batch: 80282

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	996	837.2		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1 F2	996	731.3		mg/Kg		72	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-43257-107 MSD
Matrix: Solid
Analysis Batch: 80522

Client Sample ID: T-19 (3')
Prep Type: Total/NA
Prep Batch: 80282

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	996	986.5		mg/Kg		97	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1 F2	996	526.8	F1 F2	mg/Kg		51	70 - 130	33	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	72		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-80284/1-A
Matrix: Solid
Analysis Batch: 80520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80284

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 16:29	05/12/24 01:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:29	05/12/24 01:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:29	05/12/24 01:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/08/24 16:29*	*05/12/24 01:19*	*1*
o-Terphenyl	*104*		*70 - 130*	*05/08/24 16:29*	*05/12/24 01:19*	*1*

Lab Sample ID: LCS 880-80284/2-A
Matrix: Solid
Analysis Batch: 80520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80284

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	958.6		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	968.9		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: LCSD 880-80284/3-A
Matrix: Solid
Analysis Batch: 80520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80284

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	908.6		mg/Kg		91	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	916.9		mg/Kg		92	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: 880-43257-87 MS
Matrix: Solid
Analysis Batch: 80520

Client Sample ID: T-15 (3')
Prep Type: Total/NA
Prep Batch: 80284

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	995	927.7		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	584.1	F1	mg/Kg		59	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-87 MS
Matrix: Solid
Analysis Batch: 80520

Client Sample ID: T-15 (3')
Prep Type: Total/NA
Prep Batch: 80284

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: 880-43257-87 MSD
Matrix: Solid
Analysis Batch: 80520

Client Sample ID: T-15 (3')
Prep Type: Total/NA
Prep Batch: 80284

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	995	1134		mg/Kg		112	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	636.2	F1	mg/Kg		64	70 - 130	9	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: MB 880-80285/1-A
Matrix: Solid
Analysis Batch: 80520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80285

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 16:33	05/11/24 08:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:33	05/11/24 08:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:33	05/11/24 08:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	05/08/24 16:33	05/11/24 08:25	1
o-Terphenyl	108		70 - 130	05/08/24 16:33	05/11/24 08:25	1

Lab Sample ID: LCS 880-80285/2-A
Matrix: Solid
Analysis Batch: 80520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80285

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	918.7		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	932.7		mg/Kg		93	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	90		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-80285/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80520 — **Prep Batch: 80285**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	927.0		mg/Kg		93	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	933.1		mg/Kg		93	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: 880-43257-67 MS — **Client Sample ID: T-12 (1.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80520 — **Prep Batch: 80285**

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	995	978.6		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	602.9	F1	mg/Kg		59	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: 880-43257-67 MSD — **Client Sample ID: T-12 (1.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80520 — **Prep Batch: 80285**

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	995	974.7		mg/Kg		96	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	593.4	F1	mg/Kg		58	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*93*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: MB 880-80286/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80416 — **Prep Batch: 80286**

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 16:38	05/10/24 19:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/10/24 19:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:38	05/10/24 19:36	1

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-80286/1-A
Matrix: Solid
Analysis Batch: 80416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80286

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	05/08/24 16:38	05/10/24 19:36	1
o-Terphenyl	115		70 - 130	05/08/24 16:38	05/10/24 19:36	1

Lab Sample ID: LCS 880-80286/2-A
Matrix: Solid
Analysis Batch: 80416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80286

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1082		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1083		mg/Kg		108	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: LCSD 880-80286/3-A
Matrix: Solid
Analysis Batch: 80416

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80286

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	891.8		mg/Kg		89	70 - 130	19	20
Diesel Range Organics (Over C10-C28)			1000	899.5		mg/Kg		90	70 - 130	18	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 880-43257-47 MS
Matrix: Solid
Analysis Batch: 80416

Client Sample ID: T-9 (2')
Prep Type: Total/NA
Prep Batch: 80286

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	996	1028		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U F1	996	551.4	F1	mg/Kg		55	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	89		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-47 MSD — **Client Sample ID: T-9 (2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80416 — **Prep Batch: 80286**

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	996	1282	F2	mg/Kg		126	70 - 130	22	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	996	634.8	F1	mg/Kg		64	70 - 130	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: MB 880-80287/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80416 — **Prep Batch: 80287**

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 16:41	05/10/24 08:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:41	05/10/24 08:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:41	05/10/24 08:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*05/08/24 16:41*	*05/10/24 08:57*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*05/08/24 16:41*	*05/10/24 08:57*	*1*

Lab Sample ID: LCS 880-80287/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80416 — **Prep Batch: 80287**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	868.2		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	828.3		mg/Kg		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*80*		*70 - 130*

Lab Sample ID: LCSD 880-80287/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80416 — **Prep Batch: 80287**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	963.4		mg/Kg		96	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	890.6		mg/Kg		89	70 - 130	7	20

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-80287/3-A
Matrix: Solid
Analysis Batch: 80416

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80287

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: 880-43257-27 MS
Matrix: Solid
Analysis Batch: 80416

Client Sample ID: T-6 (0-1')
Prep Type: Total/NA
Prep Batch: 80287

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	995	973.4		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	523.0	F1	mg/Kg		53	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*87*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Lab Sample ID: 880-43257-27 MSD
Matrix: Solid
Analysis Batch: 80416

Client Sample ID: T-6 (0-1')
Prep Type: Total/NA
Prep Batch: 80287

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	995	1046		mg/Kg		103	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	563.1	F1	mg/Kg		57	70 - 130	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: MB 880-80290/1-A
Matrix: Solid
Analysis Batch: 80414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80290

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 16:45	05/10/24 08:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:45	05/10/24 08:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:45	05/10/24 08:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/08/24 16:45*	*05/10/24 08:57*	*1*
o-Terphenyl	*125*		*70 - 130*	*05/08/24 16:45*	*05/10/24 08:57*	*1*

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-80290/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80414 — **Prep Batch: 80290**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	965.8		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	970.6		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: LCSD 880-80290/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80414 — **Prep Batch: 80290**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	963.0		mg/Kg		96	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	947.8		mg/Kg		95	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: 880-43257-7 MS — **Client Sample ID: T-2 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80414 — **Prep Batch: 80290**

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	995	976.3		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	602.9	F1	mg/Kg		61	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 880-43257-7 MSD — **Client Sample ID: T-2 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80414 — **Prep Batch: 80290**

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	995	999.0		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	626.7	F1	mg/Kg		63	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-7 MSD
Matrix: Solid
Analysis Batch: 80414

Client Sample ID: T-2 (0-1')
Prep Type: Total/NA
Prep Batch: 80290

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	104		70 - 130

Lab Sample ID: MB 880-80296/1-A
Matrix: Solid
Analysis Batch: 80414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80296

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 16:52	05/10/24 19:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:52	05/10/24 19:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:52	05/10/24 19:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	05/08/24 16:52	05/10/24 19:36	1
o-Terphenyl	127		70 - 130	05/08/24 16:52	05/10/24 19:36	1

Lab Sample ID: LCS 880-80296/2-A
Matrix: Solid
Analysis Batch: 80414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80296

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1146		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	966.0		mg/Kg		97	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: LCSD 880-80296/3-A
Matrix: Solid
Analysis Batch: 80414

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80296

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1157		mg/Kg		116	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	973.8		mg/Kg		97	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	95		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43254-A-21-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80414 — **Prep Batch: 80296**

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	1006		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	667.3	F1	mg/Kg		67	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: 880-43254-A-21-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80414 — **Prep Batch: 80296**

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	946.1		mg/Kg		95	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	598.5	F1	mg/Kg		60	70 - 130	11	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-80291/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 80330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/09/24 10:24	1

Lab Sample ID: LCS 880-80291/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 80330

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 880-80291/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 80330

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	240.8		mg/Kg		96	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-43257-8 MS
Matrix: Solid
Analysis Batch: 80330

Client Sample ID: T-2 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.46		249	249.6		mg/Kg		98	90 - 110

Lab Sample ID: 880-43257-8 MSD
Matrix: Solid
Analysis Batch: 80330

Client Sample ID: T-2 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5.46		249	249.1		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-80293/1-A
Matrix: Solid
Analysis Batch: 80335

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			05/09/24 12:59	1

Lab Sample ID: LCS 880-80293/2-A
Matrix: Solid
Analysis Batch: 80335

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.6		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-80293/3-A
Matrix: Solid
Analysis Batch: 80335

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	250.6		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-43257-18 MS
Matrix: Solid
Analysis Batch: 80335

Client Sample ID: T-4 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	309		249	559.9		mg/Kg		101	90 - 110

Lab Sample ID: 880-43257-18 MSD
Matrix: Solid
Analysis Batch: 80335

Client Sample ID: T-4 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	309		249	559.6		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-43257-28 MS
Matrix: Solid
Analysis Batch: 80335

Client Sample ID: T-6 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	239		249	495.7		mg/Kg		103	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-43257-28 MSD
Matrix: Solid
Analysis Batch: 80335

Client Sample ID: T-6 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	239		249	495.8		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-80295/1-A
Matrix: Solid
Analysis Batch: 80337

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			05/09/24 12:44	1

Lab Sample ID: LCS 880-80295/2-A
Matrix: Solid
Analysis Batch: 80337

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	231.9		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-80295/3-A
Matrix: Solid
Analysis Batch: 80337

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	232.8		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-43257-38 MS
Matrix: Solid
Analysis Batch: 80337

Client Sample ID: T-7 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.4		251	248.2		mg/Kg		95	90 - 110

Lab Sample ID: 880-43257-38 MSD
Matrix: Solid
Analysis Batch: 80337

Client Sample ID: T-7 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.4		251	248.9		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-43257-48 MS
Matrix: Solid
Analysis Batch: 80337

Client Sample ID: T-9 (3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	833	F1	253	1033	F1	mg/Kg		79	90 - 110

Lab Sample ID: 880-43257-48 MSD
Matrix: Solid
Analysis Batch: 80337

Client Sample ID: T-9 (3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	833	F1	253	1029	F1	mg/Kg		78	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-80297/1-A
Matrix: Solid
Analysis Batch: 80354

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			05/10/24 01:30	1

Lab Sample ID: LCS 880-80297/2-A
Matrix: Solid
Analysis Batch: 80354

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	257.9		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-80297/3-A
Matrix: Solid
Analysis Batch: 80354

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	258.6		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-43257-58 MS
Matrix: Solid
Analysis Batch: 80354

Client Sample ID: T-11 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4870		2490	7425		mg/Kg		103	90 - 110		

Lab Sample ID: 880-43257-58 MSD
Matrix: Solid
Analysis Batch: 80354

Client Sample ID: T-11 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4870		2490	7440		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-43257-68 MS
Matrix: Solid
Analysis Batch: 80354

Client Sample ID: T-12 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1230		252	1462	4	mg/Kg		91	90 - 110		

Lab Sample ID: 880-43257-68 MSD
Matrix: Solid
Analysis Batch: 80354

Client Sample ID: T-12 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1230		252	1466	4	mg/Kg		92	90 - 110	0	20

Lab Sample ID: MB 880-80298/1-A
Matrix: Solid
Analysis Batch: 80355

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			05/09/24 20:06	1

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-80298/2-A
Matrix: Solid
Analysis Batch: 80355

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	237.0		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-80298/3-A
Matrix: Solid
Analysis Batch: 80355

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	239.4		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 880-43257-78 MS
Matrix: Solid
Analysis Batch: 80355

Client Sample ID: T-13 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	371		253	601.4		mg/Kg		91	90 - 110		

Lab Sample ID: 880-43257-78 MSD
Matrix: Solid
Analysis Batch: 80355

Client Sample ID: T-13 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	371		253	600.9		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 880-43257-88 MS
Matrix: Solid
Analysis Batch: 80355

Client Sample ID: T-15 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	222		250	454.2		mg/Kg		93	90 - 110		

Lab Sample ID: 880-43257-88 MSD
Matrix: Solid
Analysis Batch: 80355

Client Sample ID: T-15 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	222		250	454.5		mg/Kg		93	90 - 110	0	20

Lab Sample ID: MB 880-80299/1-A
Matrix: Solid
Analysis Batch: 80356

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			05/09/24 16:25	1

Lab Sample ID: LCS 880-80299/2-A
Matrix: Solid
Analysis Batch: 80356

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	235.9		mg/Kg		94	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-80299/3-A
Matrix: Solid
Analysis Batch: 80356

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	236.5		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-43257-98 MS
Matrix: Solid
Analysis Batch: 80356

Client Sample ID: T-17 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	24.1		248	260.9		mg/Kg		95	90 - 110

Lab Sample ID: 880-43257-98 MSD
Matrix: Solid
Analysis Batch: 80356

Client Sample ID: T-17 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	24.1		248	262.5		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 880-43257-108 MS
Matrix: Solid
Analysis Batch: 80356

Client Sample ID: T-19 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	114		251	354.3		mg/Kg		96	90 - 110

Lab Sample ID: 880-43257-108 MSD
Matrix: Solid
Analysis Batch: 80356

Client Sample ID: T-19 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	114		251	353.1		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-80302/1-A
Matrix: Solid
Analysis Batch: 80357

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			05/10/24 03:27	1

Lab Sample ID: LCS 880-80302/2-A
Matrix: Solid
Analysis Batch: 80357

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	239.6		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-80302/3-A
Matrix: Solid
Analysis Batch: 80357

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	239.7		mg/Kg		96	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-43257-118 MS
Matrix: Solid
Analysis Batch: 80357

Client Sample ID: T-21 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	104		251	338.0		mg/Kg		94	90 - 110

Lab Sample ID: 880-43257-118 MSD
Matrix: Solid
Analysis Batch: 80357

Client Sample ID: T-21 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	104		251	341.2		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 880-43257-128 MS
Matrix: Solid
Analysis Batch: 80357

Client Sample ID: T-23 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	24.4		249	260.8		mg/Kg		95	90 - 110

Lab Sample ID: 880-43257-128 MSD
Matrix: Solid
Analysis Batch: 80357

Client Sample ID: T-23 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	24.4		249	259.2		mg/Kg		94	90 - 110	1	20

Lab Sample ID: MB 880-80303/1-A
Matrix: Solid
Analysis Batch: 80362

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			05/09/24 13:59	1

Lab Sample ID: LCS 880-80303/2-A
Matrix: Solid
Analysis Batch: 80362

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.9		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-80303/3-A
Matrix: Solid
Analysis Batch: 80362

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: 880-43257-138 MS
Matrix: Solid
Analysis Batch: 80362

Client Sample ID: T-25 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	276		249	514.8		mg/Kg		96	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-43257-138 MSD
Matrix: Solid
Analysis Batch: 80362

Client Sample ID: T-25 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	276		249	514.1		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 80276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-80276/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 80318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-21	T-4 (4')	Total/NA	Solid	8021B	80340
880-43257-22	T-5 (0-1')	Total/NA	Solid	8021B	80340
880-43257-23	T-5 (1.5')	Total/NA	Solid	8021B	80340
880-43257-24	T-5 (2')	Total/NA	Solid	8021B	80340
880-43257-25	T-5 (3')	Total/NA	Solid	8021B	80340
880-43257-26	T-5 (4')	Total/NA	Solid	8021B	80340
880-43257-27	T-6 (0-1')	Total/NA	Solid	8021B	80340
880-43257-28	T-6 (1.5')	Total/NA	Solid	8021B	80340
880-43257-29	T-6 (2')	Total/NA	Solid	8021B	80340
880-43257-30	T-6 (3')	Total/NA	Solid	8021B	80340
880-43257-31	T-6 (4')	Total/NA	Solid	8021B	80340
880-43257-32	T-6 (5')	Total/NA	Solid	8021B	80340
880-43257-33	T-6 (6')	Total/NA	Solid	8021B	80340
880-43257-34	T-7 (0-1')	Total/NA	Solid	8021B	80340
880-43257-35	T-7 (1.5')	Total/NA	Solid	8021B	80340
880-43257-36	T-7 (2')	Total/NA	Solid	8021B	80340
880-43257-37	T-7 (3')	Total/NA	Solid	8021B	80340
880-43257-38	T-7 (4')	Total/NA	Solid	8021B	80340
880-43257-39	T-8 (0-1')	Total/NA	Solid	8021B	80340
880-43257-40	T-8 (1.5')	Total/NA	Solid	8021B	80340
880-43257-61	T-11 (4')	Total/NA	Solid	8021B	80342
880-43257-62	T-11 (5')	Total/NA	Solid	8021B	80342
880-43257-63	T-11 (6')	Total/NA	Solid	8021B	80342
880-43257-64	T-11 (7')	Total/NA	Solid	8021B	80342
880-43257-65	T-11 (8')	Total/NA	Solid	8021B	80342
880-43257-66	T-12 (0-1')	Total/NA	Solid	8021B	80342
880-43257-67	T-12 (1.5')	Total/NA	Solid	8021B	80342
880-43257-68	T-12 (2')	Total/NA	Solid	8021B	80342
880-43257-69	T-12 (3')	Total/NA	Solid	8021B	80342
880-43257-70	T-12 (4')	Total/NA	Solid	8021B	80342
880-43257-71	T-12 (5')	Total/NA	Solid	8021B	80342
880-43257-72	T-12 (6')	Total/NA	Solid	8021B	80342
880-43257-73	T-12 (7')	Total/NA	Solid	8021B	80342
880-43257-74	T-13 (0-1')	Total/NA	Solid	8021B	80342
880-43257-75	T-13 (1.5')	Total/NA	Solid	8021B	80342
880-43257-76	T-13 (2')	Total/NA	Solid	8021B	80342
880-43257-77	T-13 (3')	Total/NA	Solid	8021B	80342
880-43257-78	T-13 (4')	Total/NA	Solid	8021B	80342
880-43257-79	T-14 (0-1')	Total/NA	Solid	8021B	80342
880-43257-80	T-14 (1.5')	Total/NA	Solid	8021B	80342
MB 880-80340/5-A	Method Blank	Total/NA	Solid	8021B	80340
MB 880-80342/5-A	Method Blank	Total/NA	Solid	8021B	80342
LCS 880-80340/1-A	Lab Control Sample	Total/NA	Solid	8021B	80340
LCS 880-80342/1-A	Lab Control Sample	Total/NA	Solid	8021B	80342
LCSD 880-80340/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80340
LCSD 880-80342/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80342
880-43257-21 MS	T-4 (4')	Total/NA	Solid	8021B	80340

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 80318 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-21 MSD	T-4 (4')	Total/NA	Solid	8021B	80340
880-43257-61 MS	T-11 (4')	Total/NA	Solid	8021B	80342
880-43257-61 MSD	T-11 (4')	Total/NA	Solid	8021B	80342

Analysis Batch: 80319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-141	T-26 (2')	Total/NA	Solid	8021B	80368
880-43257-142	T-26 (3')	Total/NA	Solid	8021B	80368
880-43257-143	T-27 (0-1')	Total/NA	Solid	8021B	80368
880-43257-144	T-28 (0-1')	Total/NA	Solid	8021B	80368
880-43257-145	T-29 (0-1')	Total/NA	Solid	8021B	80368
MB 880-80328/5-A	Method Blank	Total/NA	Solid	8021B	80328
MB 880-80368/5-A	Method Blank	Total/NA	Solid	8021B	80368
LCS 880-80368/1-A	Lab Control Sample	Total/NA	Solid	8021B	80368
LCSD 880-80368/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80368
880-43257-141 MS	T-26 (2')	Total/NA	Solid	8021B	80368
880-43257-141 MSD	T-26 (2')	Total/NA	Solid	8021B	80368

Analysis Batch: 80321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-1	T-1 (0-1')	Total/NA	Solid	8021B	80339
880-43257-2	T-1 (1.5')	Total/NA	Solid	8021B	80339
880-43257-3	T-1 (2')	Total/NA	Solid	8021B	80339
880-43257-4	T-1 (3')	Total/NA	Solid	8021B	80339
880-43257-5	T-1 (4')	Total/NA	Solid	8021B	80339
880-43257-6	T-1 (5')	Total/NA	Solid	8021B	80339
880-43257-7	T-2 (0-1')	Total/NA	Solid	8021B	80339
880-43257-8	T-2 (1.5')	Total/NA	Solid	8021B	80339
880-43257-9	T-2 (2')	Total/NA	Solid	8021B	80339
880-43257-10	T-2 (3')	Total/NA	Solid	8021B	80339
880-43257-11	T-2 (4')	Total/NA	Solid	8021B	80339
880-43257-12	T-3 (0-1')	Total/NA	Solid	8021B	80339
880-43257-13	T-3 (1.5')	Total/NA	Solid	8021B	80339
880-43257-14	T-3 (2')	Total/NA	Solid	8021B	80339
880-43257-15	T-3 (3')	Total/NA	Solid	8021B	80339
880-43257-16	T-3 (4')	Total/NA	Solid	8021B	80339
880-43257-17	T-4 (0-1')	Total/NA	Solid	8021B	80339
880-43257-18	T-4 (1.5')	Total/NA	Solid	8021B	80339
880-43257-19	T-4 (2')	Total/NA	Solid	8021B	80339
880-43257-20	T-4 (3')	Total/NA	Solid	8021B	80339
880-43257-41	T-8 (2')	Total/NA	Solid	8021B	80341
880-43257-42	T-8 (3')	Total/NA	Solid	8021B	80341
880-43257-43	T-8 (4')	Total/NA	Solid	8021B	80341
880-43257-44	T-8 (5')	Total/NA	Solid	8021B	80341
880-43257-45	T-9 (0-1')	Total/NA	Solid	8021B	80341
880-43257-46	T-9 (1.5')	Total/NA	Solid	8021B	80341
880-43257-47	T-9 (2')	Total/NA	Solid	8021B	80341
880-43257-48	T-9 (3')	Total/NA	Solid	8021B	80341
880-43257-49	T-9 (4')	Total/NA	Solid	8021B	80341
880-43257-50	T-9 (5')	Total/NA	Solid	8021B	80341
880-43257-51	T-9 (6')	Total/NA	Solid	8021B	80341

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 80321 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-52	T-10 (0-1')	Total/NA	Solid	8021B	80341
880-43257-53	T-10 (1.5')	Total/NA	Solid	8021B	80341
880-43257-54	T-10 (2')	Total/NA	Solid	8021B	80341
880-43257-55	T-10 (3')	Total/NA	Solid	8021B	80341
880-43257-56	T-10 (4')	Total/NA	Solid	8021B	80341
880-43257-57	T-11 (0-1')	Total/NA	Solid	8021B	80341
880-43257-58	T-11 (1.5')	Total/NA	Solid	8021B	80341
880-43257-59	T-11 (2')	Total/NA	Solid	8021B	80341
880-43257-60	T-11 (3')	Total/NA	Solid	8021B	80341
MB 880-80339/5-A	Method Blank	Total/NA	Solid	8021B	80339
MB 880-80341/5-A	Method Blank	Total/NA	Solid	8021B	80341
LCS 880-80339/1-A	Lab Control Sample	Total/NA	Solid	8021B	80339
LCS 880-80341/1-A	Lab Control Sample	Total/NA	Solid	8021B	80341
LCSD 880-80339/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80339
LCSD 880-80341/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80341
880-43257-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	80339
880-43257-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	80339
880-43257-41 MS	T-8 (2')	Total/NA	Solid	8021B	80341
880-43257-41 MSD	T-8 (2')	Total/NA	Solid	8021B	80341

Analysis Batch: 80322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-81	T-14 (2')	Total/NA	Solid	8021B	80358
880-43257-82	T-14 (3')	Total/NA	Solid	8021B	80358
880-43257-83	T-14 (4')	Total/NA	Solid	8021B	80358
880-43257-84	T-15 (0-1')	Total/NA	Solid	8021B	80358
880-43257-85	T-15 (1.5')	Total/NA	Solid	8021B	80358
880-43257-86	T-15 (2')	Total/NA	Solid	8021B	80358
880-43257-87	T-15 (3')	Total/NA	Solid	8021B	80358
880-43257-88	T-15 (4')	Total/NA	Solid	8021B	80358
880-43257-89	T-16 (0-1')	Total/NA	Solid	8021B	80358
880-43257-90	T-16 (1.5')	Total/NA	Solid	8021B	80358
880-43257-91	T-16 (2')	Total/NA	Solid	8021B	80358
880-43257-92	T-16 (3')	Total/NA	Solid	8021B	80358
880-43257-93	T-16 (4')	Total/NA	Solid	8021B	80358
880-43257-94	T-17 (0-1')	Total/NA	Solid	8021B	80358
880-43257-95	T-17 (1.5')	Total/NA	Solid	8021B	80358
880-43257-96	T-17 (2')	Total/NA	Solid	8021B	80358
880-43257-97	T-17 (3')	Total/NA	Solid	8021B	80358
880-43257-98	T-17 (4')	Total/NA	Solid	8021B	80358
880-43257-99	T-18 (0-1')	Total/NA	Solid	8021B	80358
880-43257-100	T-18 (1.5')	Total/NA	Solid	8021B	80358
MB 880-80329/5-A	Method Blank	Total/NA	Solid	8021B	80329
MB 880-80358/5-A	Method Blank	Total/NA	Solid	8021B	80358
LCS 880-80358/1-A	Lab Control Sample	Total/NA	Solid	8021B	80358
LCSD 880-80358/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80358
880-43257-81 MS	T-14 (2')	Total/NA	Solid	8021B	80358
880-43257-81 MSD	T-14 (2')	Total/NA	Solid	8021B	80358

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 80323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-121	T-22 (2')	Total/NA	Solid	8021B	80365
880-43257-122	T-22 (3')	Total/NA	Solid	8021B	80365
880-43257-123	T-22 (4')	Total/NA	Solid	8021B	80365
880-43257-124	T-23 (0-1')	Total/NA	Solid	8021B	80365
880-43257-125	T-23 (1.5')	Total/NA	Solid	8021B	80365
880-43257-126	T-23 (2')	Total/NA	Solid	8021B	80365
880-43257-127	T-23 (3')	Total/NA	Solid	8021B	80365
880-43257-128	T-23 (4')	Total/NA	Solid	8021B	80365
880-43257-129	T-24 (0-1')	Total/NA	Solid	8021B	80365
880-43257-130	T-24 (1.5')	Total/NA	Solid	8021B	80365
880-43257-131	T-24 (2')	Total/NA	Solid	8021B	80365
880-43257-132	T-24 (3')	Total/NA	Solid	8021B	80365
880-43257-133	T-24 (4')	Total/NA	Solid	8021B	80365
880-43257-134	T-25 (0-1')	Total/NA	Solid	8021B	80365
880-43257-135	T-25 (1.5')	Total/NA	Solid	8021B	80365
880-43257-136	T-25 (2')	Total/NA	Solid	8021B	80365
880-43257-137	T-25 (3')	Total/NA	Solid	8021B	80365
880-43257-138	T-25 (4')	Total/NA	Solid	8021B	80365
880-43257-139	T-26 (0-1')	Total/NA	Solid	8021B	80365
880-43257-140	T-26 (1.5')	Total/NA	Solid	8021B	80365
MB 880-80276/5-A	Method Blank	Total/NA	Solid	8021B	80276
MB 880-80365/5-A	Method Blank	Total/NA	Solid	8021B	80365
LCS 880-80365/1-A	Lab Control Sample	Total/NA	Solid	8021B	80365
LCSD 880-80365/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80365
880-43257-121 MS	T-22 (2')	Total/NA	Solid	8021B	80365
880-43257-121 MSD	T-22 (2')	Total/NA	Solid	8021B	80365

Prep Batch: 80328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-80328/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 80329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-80329/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 80339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-1	T-1 (0-1')	Total/NA	Solid	5035	
880-43257-2	T-1 (1.5')	Total/NA	Solid	5035	
880-43257-3	T-1 (2')	Total/NA	Solid	5035	
880-43257-4	T-1 (3')	Total/NA	Solid	5035	
880-43257-5	T-1 (4')	Total/NA	Solid	5035	
880-43257-6	T-1 (5')	Total/NA	Solid	5035	
880-43257-7	T-2 (0-1')	Total/NA	Solid	5035	
880-43257-8	T-2 (1.5')	Total/NA	Solid	5035	
880-43257-9	T-2 (2')	Total/NA	Solid	5035	
880-43257-10	T-2 (3')	Total/NA	Solid	5035	
880-43257-11	T-2 (4')	Total/NA	Solid	5035	
880-43257-12	T-3 (0-1')	Total/NA	Solid	5035	
880-43257-13	T-3 (1.5')	Total/NA	Solid	5035	
880-43257-14	T-3 (2')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 80339 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-15	T-3 (3')	Total/NA	Solid	5035	
880-43257-16	T-3 (4')	Total/NA	Solid	5035	
880-43257-17	T-4 (0-1')	Total/NA	Solid	5035	
880-43257-18	T-4 (1.5')	Total/NA	Solid	5035	
880-43257-19	T-4 (2')	Total/NA	Solid	5035	
880-43257-20	T-4 (3')	Total/NA	Solid	5035	
MB 880-80339/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80339/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80339/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43257-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-43257-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 80340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-21	T-4 (4')	Total/NA	Solid	5035	
880-43257-22	T-5 (0-1')	Total/NA	Solid	5035	
880-43257-23	T-5 (1.5')	Total/NA	Solid	5035	
880-43257-24	T-5 (2')	Total/NA	Solid	5035	
880-43257-25	T-5 (3')	Total/NA	Solid	5035	
880-43257-26	T-5 (4')	Total/NA	Solid	5035	
880-43257-27	T-6 (0-1')	Total/NA	Solid	5035	
880-43257-28	T-6 (1.5')	Total/NA	Solid	5035	
880-43257-29	T-6 (2')	Total/NA	Solid	5035	
880-43257-30	T-6 (3')	Total/NA	Solid	5035	
880-43257-31	T-6 (4')	Total/NA	Solid	5035	
880-43257-32	T-6 (5')	Total/NA	Solid	5035	
880-43257-33	T-6 (6')	Total/NA	Solid	5035	
880-43257-34	T-7 (0-1')	Total/NA	Solid	5035	
880-43257-35	T-7 (1.5')	Total/NA	Solid	5035	
880-43257-36	T-7 (2')	Total/NA	Solid	5035	
880-43257-37	T-7 (3')	Total/NA	Solid	5035	
880-43257-38	T-7 (4')	Total/NA	Solid	5035	
880-43257-39	T-8 (0-1')	Total/NA	Solid	5035	
880-43257-40	T-8 (1.5')	Total/NA	Solid	5035	
MB 880-80340/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80340/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80340/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43257-21 MS	T-4 (4')	Total/NA	Solid	5035	
880-43257-21 MSD	T-4 (4')	Total/NA	Solid	5035	

Prep Batch: 80341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-41	T-8 (2')	Total/NA	Solid	5035	
880-43257-42	T-8 (3')	Total/NA	Solid	5035	
880-43257-43	T-8 (4')	Total/NA	Solid	5035	
880-43257-44	T-8 (5')	Total/NA	Solid	5035	
880-43257-45	T-9 (0-1')	Total/NA	Solid	5035	
880-43257-46	T-9 (1.5')	Total/NA	Solid	5035	
880-43257-47	T-9 (2')	Total/NA	Solid	5035	
880-43257-48	T-9 (3')	Total/NA	Solid	5035	
880-43257-49	T-9 (4')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 80341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-50	T-9 (5')	Total/NA	Solid	5035	
880-43257-51	T-9 (6')	Total/NA	Solid	5035	
880-43257-52	T-10 (0-1')	Total/NA	Solid	5035	
880-43257-53	T-10 (1.5')	Total/NA	Solid	5035	
880-43257-54	T-10 (2')	Total/NA	Solid	5035	
880-43257-55	T-10 (3')	Total/NA	Solid	5035	
880-43257-56	T-10 (4')	Total/NA	Solid	5035	
880-43257-57	T-11 (0-1')	Total/NA	Solid	5035	
880-43257-58	T-11 (1.5')	Total/NA	Solid	5035	
880-43257-59	T-11 (2')	Total/NA	Solid	5035	
880-43257-60	T-11 (3')	Total/NA	Solid	5035	
MB 880-80341/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80341/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80341/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43257-41 MS	T-8 (2')	Total/NA	Solid	5035	
880-43257-41 MSD	T-8 (2')	Total/NA	Solid	5035	

Prep Batch: 80342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-61	T-11 (4')	Total/NA	Solid	5035	
880-43257-62	T-11 (5')	Total/NA	Solid	5035	
880-43257-63	T-11 (6')	Total/NA	Solid	5035	
880-43257-64	T-11 (7')	Total/NA	Solid	5035	
880-43257-65	T-11 (8')	Total/NA	Solid	5035	
880-43257-66	T-12 (0-1')	Total/NA	Solid	5035	
880-43257-67	T-12 (1.5')	Total/NA	Solid	5035	
880-43257-68	T-12 (2')	Total/NA	Solid	5035	
880-43257-69	T-12 (3')	Total/NA	Solid	5035	
880-43257-70	T-12 (4')	Total/NA	Solid	5035	
880-43257-71	T-12 (5')	Total/NA	Solid	5035	
880-43257-72	T-12 (6')	Total/NA	Solid	5035	
880-43257-73	T-12 (7')	Total/NA	Solid	5035	
880-43257-74	T-13 (0-1')	Total/NA	Solid	5035	
880-43257-75	T-13 (1.5')	Total/NA	Solid	5035	
880-43257-76	T-13 (2')	Total/NA	Solid	5035	
880-43257-77	T-13 (3')	Total/NA	Solid	5035	
880-43257-78	T-13 (4')	Total/NA	Solid	5035	
880-43257-79	T-14 (0-1')	Total/NA	Solid	5035	
880-43257-80	T-14 (1.5')	Total/NA	Solid	5035	
MB 880-80342/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80342/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80342/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43257-61 MS	T-11 (4')	Total/NA	Solid	5035	
880-43257-61 MSD	T-11 (4')	Total/NA	Solid	5035	

Prep Batch: 80358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-81	T-14 (2')	Total/NA	Solid	5035	
880-43257-82	T-14 (3')	Total/NA	Solid	5035	
880-43257-83	T-14 (4')	Total/NA	Solid	5035	
880-43257-84	T-15 (0-1')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 80358 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-85	T-15 (1.5')	Total/NA	Solid	5035	
880-43257-86	T-15 (2')	Total/NA	Solid	5035	
880-43257-87	T-15 (3')	Total/NA	Solid	5035	
880-43257-88	T-15 (4')	Total/NA	Solid	5035	
880-43257-89	T-16 (0-1')	Total/NA	Solid	5035	
880-43257-90	T-16 (1.5')	Total/NA	Solid	5035	
880-43257-91	T-16 (2')	Total/NA	Solid	5035	
880-43257-92	T-16 (3')	Total/NA	Solid	5035	
880-43257-93	T-16 (4')	Total/NA	Solid	5035	
880-43257-94	T-17 (0-1')	Total/NA	Solid	5035	
880-43257-95	T-17 (1.5')	Total/NA	Solid	5035	
880-43257-96	T-17 (2')	Total/NA	Solid	5035	
880-43257-97	T-17 (3')	Total/NA	Solid	5035	
880-43257-98	T-17 (4')	Total/NA	Solid	5035	
880-43257-99	T-18 (0-1')	Total/NA	Solid	5035	
880-43257-100	T-18 (1.5')	Total/NA	Solid	5035	
MB 880-80358/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80358/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80358/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43257-81 MS	T-14 (2')	Total/NA	Solid	5035	
880-43257-81 MSD	T-14 (2')	Total/NA	Solid	5035	

Prep Batch: 80364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-101	T-18 (2')	Total/NA	Solid	5035	
880-43257-102	T-18 (3')	Total/NA	Solid	5035	
880-43257-103	T-18 (4')	Total/NA	Solid	5035	
880-43257-104	T-19 (0-1')	Total/NA	Solid	5035	
880-43257-105	T-19 (1.5')	Total/NA	Solid	5035	
880-43257-106	T-19 (2')	Total/NA	Solid	5035	
880-43257-107	T-19 (3')	Total/NA	Solid	5035	
880-43257-108	T-19 (4')	Total/NA	Solid	5035	
880-43257-109	T-20 (0-1')	Total/NA	Solid	5035	
880-43257-110	T-20 (1.5')	Total/NA	Solid	5035	
MB 880-80364/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80364/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80364/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43257-101 MS	T-18 (2')	Total/NA	Solid	5035	
880-43257-101 MSD	T-18 (2')	Total/NA	Solid	5035	

Prep Batch: 80365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-121	T-22 (2')	Total/NA	Solid	5035	
880-43257-122	T-22 (3')	Total/NA	Solid	5035	
880-43257-123	T-22 (4')	Total/NA	Solid	5035	
880-43257-124	T-23 (0-1')	Total/NA	Solid	5035	
880-43257-125	T-23 (1.5')	Total/NA	Solid	5035	
880-43257-126	T-23 (2')	Total/NA	Solid	5035	
880-43257-127	T-23 (3')	Total/NA	Solid	5035	
880-43257-128	T-23 (4')	Total/NA	Solid	5035	
880-43257-129	T-24 (0-1')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 80365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-130	T-24 (1.5')	Total/NA	Solid	5035	
880-43257-131	T-24 (2')	Total/NA	Solid	5035	
880-43257-132	T-24 (3')	Total/NA	Solid	5035	
880-43257-133	T-24 (4')	Total/NA	Solid	5035	
880-43257-134	T-25 (0-1')	Total/NA	Solid	5035	
880-43257-135	T-25 (1.5')	Total/NA	Solid	5035	
880-43257-136	T-25 (2')	Total/NA	Solid	5035	
880-43257-137	T-25 (3')	Total/NA	Solid	5035	
880-43257-138	T-25 (4')	Total/NA	Solid	5035	
880-43257-139	T-26 (0-1')	Total/NA	Solid	5035	
880-43257-140	T-26 (1.5')	Total/NA	Solid	5035	
MB 880-80365/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80365/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80365/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43257-121 MS	T-22 (2')	Total/NA	Solid	5035	
880-43257-121 MSD	T-22 (2')	Total/NA	Solid	5035	

Analysis Batch: 80367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-101	T-18 (2')	Total/NA	Solid	8021B	80364
880-43257-102	T-18 (3')	Total/NA	Solid	8021B	80364
880-43257-103	T-18 (4')	Total/NA	Solid	8021B	80364
880-43257-104	T-19 (0-1')	Total/NA	Solid	8021B	80364
880-43257-105	T-19 (1.5')	Total/NA	Solid	8021B	80364
880-43257-106	T-19 (2')	Total/NA	Solid	8021B	80364
880-43257-107	T-19 (3')	Total/NA	Solid	8021B	80364
880-43257-108	T-19 (4')	Total/NA	Solid	8021B	80364
880-43257-109	T-20 (0-1')	Total/NA	Solid	8021B	80364
880-43257-110	T-20 (1.5')	Total/NA	Solid	8021B	80364
MB 880-80364/5-A	Method Blank	Total/NA	Solid	8021B	80364
LCS 880-80364/1-A	Lab Control Sample	Total/NA	Solid	8021B	80364
LCSD 880-80364/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80364
880-43257-101 MS	T-18 (2')	Total/NA	Solid	8021B	80364
880-43257-101 MSD	T-18 (2')	Total/NA	Solid	8021B	80364

Prep Batch: 80368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-141	T-26 (2')	Total/NA	Solid	5035	
880-43257-142	T-26 (3')	Total/NA	Solid	5035	
880-43257-143	T-27 (0-1')	Total/NA	Solid	5035	
880-43257-144	T-28 (0-1')	Total/NA	Solid	5035	
880-43257-145	T-29 (0-1')	Total/NA	Solid	5035	
MB 880-80368/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80368/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80368/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43257-141 MS	T-26 (2')	Total/NA	Solid	5035	
880-43257-141 MSD	T-26 (2')	Total/NA	Solid	5035	

Analysis Batch: 80408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-111	T-20 (2')	Total/NA	Solid	8021B	80419

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 80408 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-112	T-20 (3')	Total/NA	Solid	8021B	80419
880-43257-113	T-20 (4')	Total/NA	Solid	8021B	80419
880-43257-114	T-21 (0-1')	Total/NA	Solid	8021B	80419
880-43257-115	T-21 (1.5')	Total/NA	Solid	8021B	80419
880-43257-116	T-21 (2')	Total/NA	Solid	8021B	80419
880-43257-117	T-21 (3')	Total/NA	Solid	8021B	80419
880-43257-118	T-21 (4')	Total/NA	Solid	8021B	80419
880-43257-119	T-22 (0-1')	Total/NA	Solid	8021B	80419
880-43257-120	T-22 (1.5')	Total/NA	Solid	8021B	80419
MB 880-80419/5-A	Method Blank	Total/NA	Solid	8021B	80419
LCS 880-80419/1-A	Lab Control Sample	Total/NA	Solid	8021B	80419
LCSD 880-80419/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80419
890-6645-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	80419
890-6645-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	80419

Prep Batch: 80419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-111	T-20 (2')	Total/NA	Solid	5035	
880-43257-112	T-20 (3')	Total/NA	Solid	5035	
880-43257-113	T-20 (4')	Total/NA	Solid	5035	
880-43257-114	T-21 (0-1')	Total/NA	Solid	5035	
880-43257-115	T-21 (1.5')	Total/NA	Solid	5035	
880-43257-116	T-21 (2')	Total/NA	Solid	5035	
880-43257-117	T-21 (3')	Total/NA	Solid	5035	
880-43257-118	T-21 (4')	Total/NA	Solid	5035	
880-43257-119	T-22 (0-1')	Total/NA	Solid	5035	
880-43257-120	T-22 (1.5')	Total/NA	Solid	5035	
MB 880-80419/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80419/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80419/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6645-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-6645-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 80465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-43257-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-43257-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-43257-6	T-1 (5')	Total/NA	Solid	Total BTEX	
880-43257-7	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-8	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-9	T-2 (2')	Total/NA	Solid	Total BTEX	
880-43257-10	T-2 (3')	Total/NA	Solid	Total BTEX	
880-43257-11	T-2 (4')	Total/NA	Solid	Total BTEX	
880-43257-12	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-13	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-14	T-3 (2')	Total/NA	Solid	Total BTEX	
880-43257-15	T-3 (3')	Total/NA	Solid	Total BTEX	
880-43257-16	T-3 (4')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 80465 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-17	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-18	T-4 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-19	T-4 (2')	Total/NA	Solid	Total BTEX	
880-43257-20	T-4 (3')	Total/NA	Solid	Total BTEX	
880-43257-21	T-4 (4')	Total/NA	Solid	Total BTEX	
880-43257-22	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-23	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-24	T-5 (2')	Total/NA	Solid	Total BTEX	
880-43257-25	T-5 (3')	Total/NA	Solid	Total BTEX	
880-43257-26	T-5 (4')	Total/NA	Solid	Total BTEX	
880-43257-27	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-28	T-6 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-29	T-6 (2')	Total/NA	Solid	Total BTEX	
880-43257-30	T-6 (3')	Total/NA	Solid	Total BTEX	
880-43257-31	T-6 (4')	Total/NA	Solid	Total BTEX	
880-43257-32	T-6 (5')	Total/NA	Solid	Total BTEX	
880-43257-33	T-6 (6')	Total/NA	Solid	Total BTEX	
880-43257-34	T-7 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-35	T-7 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-36	T-7 (2')	Total/NA	Solid	Total BTEX	
880-43257-37	T-7 (3')	Total/NA	Solid	Total BTEX	
880-43257-38	T-7 (4')	Total/NA	Solid	Total BTEX	
880-43257-39	T-8 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-40	T-8 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-41	T-8 (2')	Total/NA	Solid	Total BTEX	
880-43257-42	T-8 (3')	Total/NA	Solid	Total BTEX	
880-43257-43	T-8 (4')	Total/NA	Solid	Total BTEX	
880-43257-44	T-8 (5')	Total/NA	Solid	Total BTEX	
880-43257-45	T-9 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-46	T-9 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-47	T-9 (2')	Total/NA	Solid	Total BTEX	
880-43257-48	T-9 (3')	Total/NA	Solid	Total BTEX	
880-43257-49	T-9 (4')	Total/NA	Solid	Total BTEX	
880-43257-50	T-9 (5')	Total/NA	Solid	Total BTEX	
880-43257-51	T-9 (6')	Total/NA	Solid	Total BTEX	
880-43257-52	T-10 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-53	T-10 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-54	T-10 (2')	Total/NA	Solid	Total BTEX	
880-43257-55	T-10 (3')	Total/NA	Solid	Total BTEX	
880-43257-56	T-10 (4')	Total/NA	Solid	Total BTEX	
880-43257-57	T-11 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-58	T-11 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-59	T-11 (2')	Total/NA	Solid	Total BTEX	
880-43257-60	T-11 (3')	Total/NA	Solid	Total BTEX	
880-43257-61	T-11 (4')	Total/NA	Solid	Total BTEX	
880-43257-62	T-11 (5')	Total/NA	Solid	Total BTEX	
880-43257-63	T-11 (6')	Total/NA	Solid	Total BTEX	
880-43257-64	T-11 (7')	Total/NA	Solid	Total BTEX	
880-43257-65	T-11 (8')	Total/NA	Solid	Total BTEX	
880-43257-66	T-12 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-67	T-12 (1.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 80465 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-68	T-12 (2')	Total/NA	Solid	Total BTEX	
880-43257-69	T-12 (3')	Total/NA	Solid	Total BTEX	
880-43257-70	T-12 (4')	Total/NA	Solid	Total BTEX	
880-43257-71	T-12 (5')	Total/NA	Solid	Total BTEX	
880-43257-72	T-12 (6')	Total/NA	Solid	Total BTEX	
880-43257-73	T-12 (7')	Total/NA	Solid	Total BTEX	
880-43257-74	T-13 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-75	T-13 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-76	T-13 (2')	Total/NA	Solid	Total BTEX	
880-43257-77	T-13 (3')	Total/NA	Solid	Total BTEX	
880-43257-78	T-13 (4')	Total/NA	Solid	Total BTEX	
880-43257-79	T-14 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-80	T-14 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-81	T-14 (2')	Total/NA	Solid	Total BTEX	
880-43257-82	T-14 (3')	Total/NA	Solid	Total BTEX	
880-43257-83	T-14 (4')	Total/NA	Solid	Total BTEX	
880-43257-84	T-15 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-85	T-15 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-86	T-15 (2')	Total/NA	Solid	Total BTEX	
880-43257-87	T-15 (3')	Total/NA	Solid	Total BTEX	
880-43257-88	T-15 (4')	Total/NA	Solid	Total BTEX	
880-43257-89	T-16 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-90	T-16 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-91	T-16 (2')	Total/NA	Solid	Total BTEX	
880-43257-92	T-16 (3')	Total/NA	Solid	Total BTEX	
880-43257-93	T-16 (4')	Total/NA	Solid	Total BTEX	
880-43257-94	T-17 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-95	T-17 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-96	T-17 (2')	Total/NA	Solid	Total BTEX	
880-43257-97	T-17 (3')	Total/NA	Solid	Total BTEX	
880-43257-98	T-17 (4')	Total/NA	Solid	Total BTEX	
880-43257-99	T-18 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-100	T-18 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-101	T-18 (2')	Total/NA	Solid	Total BTEX	
880-43257-102	T-18 (3')	Total/NA	Solid	Total BTEX	
880-43257-103	T-18 (4')	Total/NA	Solid	Total BTEX	
880-43257-104	T-19 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-105	T-19 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-106	T-19 (2')	Total/NA	Solid	Total BTEX	
880-43257-107	T-19 (3')	Total/NA	Solid	Total BTEX	
880-43257-108	T-19 (4')	Total/NA	Solid	Total BTEX	
880-43257-109	T-20 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-110	T-20 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-111	T-20 (2')	Total/NA	Solid	Total BTEX	
880-43257-112	T-20 (3')	Total/NA	Solid	Total BTEX	
880-43257-113	T-20 (4')	Total/NA	Solid	Total BTEX	
880-43257-114	T-21 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-115	T-21 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-116	T-21 (2')	Total/NA	Solid	Total BTEX	
880-43257-117	T-21 (3')	Total/NA	Solid	Total BTEX	
880-43257-118	T-21 (4')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 80465 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-119	T-22 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-120	T-22 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-121	T-22 (2')	Total/NA	Solid	Total BTEX	
880-43257-122	T-22 (3')	Total/NA	Solid	Total BTEX	
880-43257-123	T-22 (4')	Total/NA	Solid	Total BTEX	
880-43257-124	T-23 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-125	T-23 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-126	T-23 (2')	Total/NA	Solid	Total BTEX	
880-43257-127	T-23 (3')	Total/NA	Solid	Total BTEX	
880-43257-128	T-23 (4')	Total/NA	Solid	Total BTEX	
880-43257-129	T-24 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-130	T-24 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-131	T-24 (2')	Total/NA	Solid	Total BTEX	
880-43257-132	T-24 (3')	Total/NA	Solid	Total BTEX	
880-43257-133	T-24 (4')	Total/NA	Solid	Total BTEX	
880-43257-134	T-25 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-135	T-25 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-136	T-25 (2')	Total/NA	Solid	Total BTEX	
880-43257-137	T-25 (3')	Total/NA	Solid	Total BTEX	
880-43257-138	T-25 (4')	Total/NA	Solid	Total BTEX	
880-43257-139	T-26 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-140	T-26 (1.5')	Total/NA	Solid	Total BTEX	
880-43257-141	T-26 (2')	Total/NA	Solid	Total BTEX	
880-43257-142	T-26 (3')	Total/NA	Solid	Total BTEX	
880-43257-143	T-27 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-144	T-28 (0-1')	Total/NA	Solid	Total BTEX	
880-43257-145	T-29 (0-1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 79949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-43257-6	T-1 (5')	Total/NA	Solid	8015NM Prep	
MB 880-79949/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-79949/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-79949/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-42977-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-42977-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 80281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-127	T-23 (3')	Total/NA	Solid	8015NM Prep	
880-43257-128	T-23 (4')	Total/NA	Solid	8015NM Prep	
880-43257-129	T-24 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-130	T-24 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-131	T-24 (2')	Total/NA	Solid	8015NM Prep	
880-43257-132	T-24 (3')	Total/NA	Solid	8015NM Prep	
880-43257-133	T-24 (4')	Total/NA	Solid	8015NM Prep	
880-43257-134	T-25 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-135	T-25 (1.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 80281 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-136	T-25 (2')	Total/NA	Solid	8015NM Prep	
880-43257-137	T-25 (3')	Total/NA	Solid	8015NM Prep	
880-43257-138	T-25 (4')	Total/NA	Solid	8015NM Prep	
880-43257-139	T-26 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-140	T-26 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-141	T-26 (2')	Total/NA	Solid	8015NM Prep	
880-43257-142	T-26 (3')	Total/NA	Solid	8015NM Prep	
880-43257-143	T-27 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-144	T-28 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-145	T-29 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-80281/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80281/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80281/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43257-127 MS	T-23 (3')	Total/NA	Solid	8015NM Prep	
880-43257-127 MSD	T-23 (3')	Total/NA	Solid	8015NM Prep	

Prep Batch: 80282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-107	T-19 (3')	Total/NA	Solid	8015NM Prep	
880-43257-108	T-19 (4')	Total/NA	Solid	8015NM Prep	
880-43257-109	T-20 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-110	T-20 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-111	T-20 (2')	Total/NA	Solid	8015NM Prep	
880-43257-112	T-20 (3')	Total/NA	Solid	8015NM Prep	
880-43257-113	T-20 (4')	Total/NA	Solid	8015NM Prep	
880-43257-114	T-21 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-115	T-21 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-116	T-21 (2')	Total/NA	Solid	8015NM Prep	
880-43257-117	T-21 (3')	Total/NA	Solid	8015NM Prep	
880-43257-118	T-21 (4')	Total/NA	Solid	8015NM Prep	
880-43257-119	T-22 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-120	T-22 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-121	T-22 (2')	Total/NA	Solid	8015NM Prep	
880-43257-122	T-22 (3')	Total/NA	Solid	8015NM Prep	
880-43257-123	T-22 (4')	Total/NA	Solid	8015NM Prep	
880-43257-124	T-23 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-125	T-23 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-126	T-23 (2')	Total/NA	Solid	8015NM Prep	
MB 880-80282/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80282/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80282/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43257-107 MS	T-19 (3')	Total/NA	Solid	8015NM Prep	
880-43257-107 MSD	T-19 (3')	Total/NA	Solid	8015NM Prep	

Prep Batch: 80284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-87	T-15 (3')	Total/NA	Solid	8015NM Prep	
880-43257-88	T-15 (4')	Total/NA	Solid	8015NM Prep	
880-43257-89	T-16 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-90	T-16 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-91	T-16 (2')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 80284 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-92	T-16 (3')	Total/NA	Solid	8015NM Prep	
880-43257-93	T-16 (4')	Total/NA	Solid	8015NM Prep	
880-43257-94	T-17 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-95	T-17 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-96	T-17 (2')	Total/NA	Solid	8015NM Prep	
880-43257-97	T-17 (3')	Total/NA	Solid	8015NM Prep	
880-43257-98	T-17 (4')	Total/NA	Solid	8015NM Prep	
880-43257-99	T-18 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-100	T-18 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-101	T-18 (2')	Total/NA	Solid	8015NM Prep	
880-43257-102	T-18 (3')	Total/NA	Solid	8015NM Prep	
880-43257-103	T-18 (4')	Total/NA	Solid	8015NM Prep	
880-43257-104	T-19 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-105	T-19 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-106	T-19 (2')	Total/NA	Solid	8015NM Prep	
MB 880-80284/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80284/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80284/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43257-87 MS	T-15 (3')	Total/NA	Solid	8015NM Prep	
880-43257-87 MSD	T-15 (3')	Total/NA	Solid	8015NM Prep	

Prep Batch: 80285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-67	T-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-68	T-12 (2')	Total/NA	Solid	8015NM Prep	
880-43257-69	T-12 (3')	Total/NA	Solid	8015NM Prep	
880-43257-70	T-12 (4')	Total/NA	Solid	8015NM Prep	
880-43257-71	T-12 (5')	Total/NA	Solid	8015NM Prep	
880-43257-72	T-12 (6')	Total/NA	Solid	8015NM Prep	
880-43257-73	T-12 (7')	Total/NA	Solid	8015NM Prep	
880-43257-74	T-13 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-75	T-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-76	T-13 (2')	Total/NA	Solid	8015NM Prep	
880-43257-77	T-13 (3')	Total/NA	Solid	8015NM Prep	
880-43257-78	T-13 (4')	Total/NA	Solid	8015NM Prep	
880-43257-79	T-14 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-80	T-14 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-81	T-14 (2')	Total/NA	Solid	8015NM Prep	
880-43257-82	T-14 (3')	Total/NA	Solid	8015NM Prep	
880-43257-83	T-14 (4')	Total/NA	Solid	8015NM Prep	
880-43257-84	T-15 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-85	T-15 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-86	T-15 (2')	Total/NA	Solid	8015NM Prep	
MB 880-80285/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80285/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80285/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43257-67 MS	T-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-67 MSD	T-12 (1.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 80286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-47	T-9 (2')	Total/NA	Solid	8015NM Prep	
880-43257-48	T-9 (3')	Total/NA	Solid	8015NM Prep	
880-43257-49	T-9 (4')	Total/NA	Solid	8015NM Prep	
880-43257-50	T-9 (5')	Total/NA	Solid	8015NM Prep	
880-43257-51	T-9 (6')	Total/NA	Solid	8015NM Prep	
880-43257-52	T-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-53	T-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-54	T-10 (2')	Total/NA	Solid	8015NM Prep	
880-43257-55	T-10 (3')	Total/NA	Solid	8015NM Prep	
880-43257-56	T-10 (4')	Total/NA	Solid	8015NM Prep	
880-43257-57	T-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-58	T-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-59	T-11 (2')	Total/NA	Solid	8015NM Prep	
880-43257-60	T-11 (3')	Total/NA	Solid	8015NM Prep	
880-43257-61	T-11 (4')	Total/NA	Solid	8015NM Prep	
880-43257-62	T-11 (5')	Total/NA	Solid	8015NM Prep	
880-43257-63	T-11 (6')	Total/NA	Solid	8015NM Prep	
880-43257-64	T-11 (7')	Total/NA	Solid	8015NM Prep	
880-43257-65	T-11 (8')	Total/NA	Solid	8015NM Prep	
880-43257-66	T-12 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-80286/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80286/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80286/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43257-47 MS	T-9 (2')	Total/NA	Solid	8015NM Prep	
880-43257-47 MSD	T-9 (2')	Total/NA	Solid	8015NM Prep	

Prep Batch: 80287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-27	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-28	T-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-29	T-6 (2')	Total/NA	Solid	8015NM Prep	
880-43257-30	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-43257-31	T-6 (4')	Total/NA	Solid	8015NM Prep	
880-43257-32	T-6 (5')	Total/NA	Solid	8015NM Prep	
880-43257-33	T-6 (6')	Total/NA	Solid	8015NM Prep	
880-43257-34	T-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-35	T-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-36	T-7 (2')	Total/NA	Solid	8015NM Prep	
880-43257-37	T-7 (3')	Total/NA	Solid	8015NM Prep	
880-43257-38	T-7 (4')	Total/NA	Solid	8015NM Prep	
880-43257-39	T-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-40	T-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-41	T-8 (2')	Total/NA	Solid	8015NM Prep	
880-43257-42	T-8 (3')	Total/NA	Solid	8015NM Prep	
880-43257-43	T-8 (4')	Total/NA	Solid	8015NM Prep	
880-43257-44	T-8 (5')	Total/NA	Solid	8015NM Prep	
880-43257-45	T-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-46	T-9 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-80287/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80287/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80287/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 80287 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-27 MS	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-27 MSD	T-6 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 80290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-7	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-8	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-9	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-43257-10	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-43257-11	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-43257-12	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-13	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-14	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-43257-15	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-43257-16	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-43257-17	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-18	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-19	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-43257-20	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-43257-21	T-4 (4')	Total/NA	Solid	8015NM Prep	
880-43257-22	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-23	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-24	T-5 (2')	Total/NA	Solid	8015NM Prep	
880-43257-25	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-43257-26	T-5 (4')	Total/NA	Solid	8015NM Prep	
MB 880-80290/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80290/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80290/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43257-7 MS	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-7 MSD	T-2 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 80296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-43257-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-43257-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-43257-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
MB 880-80296/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80296/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80296/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43254-A-21-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-43254-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 80304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-5	T-1 (4')	Total/NA	Solid	8015B NM	79949
880-43257-6	T-1 (5')	Total/NA	Solid	8015B NM	79949
MB 880-79949/1-A	Method Blank	Total/NA	Solid	8015B NM	79949
LCS 880-79949/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	79949
LCSD 880-79949/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	79949
880-42977-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	79949

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 80304 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42977-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	79949

Analysis Batch: 80389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-43257-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-43257-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-43257-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-43257-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-43257-6	T-1 (5')	Total/NA	Solid	8015 NM	
880-43257-7	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-43257-8	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-43257-9	T-2 (2')	Total/NA	Solid	8015 NM	
880-43257-10	T-2 (3')	Total/NA	Solid	8015 NM	
880-43257-11	T-2 (4')	Total/NA	Solid	8015 NM	
880-43257-12	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-43257-13	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-43257-14	T-3 (2')	Total/NA	Solid	8015 NM	
880-43257-15	T-3 (3')	Total/NA	Solid	8015 NM	
880-43257-16	T-3 (4')	Total/NA	Solid	8015 NM	
880-43257-17	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-43257-18	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-43257-19	T-4 (2')	Total/NA	Solid	8015 NM	
880-43257-20	T-4 (3')	Total/NA	Solid	8015 NM	
880-43257-21	T-4 (4')	Total/NA	Solid	8015 NM	
880-43257-22	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-43257-23	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-43257-24	T-5 (2')	Total/NA	Solid	8015 NM	
880-43257-25	T-5 (3')	Total/NA	Solid	8015 NM	
880-43257-26	T-5 (4')	Total/NA	Solid	8015 NM	
880-43257-27	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-43257-28	T-6 (1.5')	Total/NA	Solid	8015 NM	
880-43257-29	T-6 (2')	Total/NA	Solid	8015 NM	
880-43257-30	T-6 (3')	Total/NA	Solid	8015 NM	
880-43257-31	T-6 (4')	Total/NA	Solid	8015 NM	
880-43257-32	T-6 (5')	Total/NA	Solid	8015 NM	
880-43257-33	T-6 (6')	Total/NA	Solid	8015 NM	
880-43257-34	T-7 (0-1')	Total/NA	Solid	8015 NM	
880-43257-35	T-7 (1.5')	Total/NA	Solid	8015 NM	
880-43257-36	T-7 (2')	Total/NA	Solid	8015 NM	
880-43257-37	T-7 (3')	Total/NA	Solid	8015 NM	
880-43257-38	T-7 (4')	Total/NA	Solid	8015 NM	
880-43257-39	T-8 (0-1')	Total/NA	Solid	8015 NM	
880-43257-40	T-8 (1.5')	Total/NA	Solid	8015 NM	
880-43257-41	T-8 (2')	Total/NA	Solid	8015 NM	
880-43257-42	T-8 (3')	Total/NA	Solid	8015 NM	
880-43257-43	T-8 (4')	Total/NA	Solid	8015 NM	
880-43257-44	T-8 (5')	Total/NA	Solid	8015 NM	
880-43257-45	T-9 (0-1')	Total/NA	Solid	8015 NM	
880-43257-46	T-9 (1.5')	Total/NA	Solid	8015 NM	
880-43257-47	T-9 (2')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 80389 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-48	T-9 (3')	Total/NA	Solid	8015 NM	
880-43257-49	T-9 (4')	Total/NA	Solid	8015 NM	
880-43257-50	T-9 (5')	Total/NA	Solid	8015 NM	
880-43257-51	T-9 (6')	Total/NA	Solid	8015 NM	
880-43257-52	T-10 (0-1')	Total/NA	Solid	8015 NM	
880-43257-53	T-10 (1.5')	Total/NA	Solid	8015 NM	
880-43257-54	T-10 (2')	Total/NA	Solid	8015 NM	
880-43257-55	T-10 (3')	Total/NA	Solid	8015 NM	
880-43257-56	T-10 (4')	Total/NA	Solid	8015 NM	
880-43257-57	T-11 (0-1')	Total/NA	Solid	8015 NM	
880-43257-58	T-11 (1.5')	Total/NA	Solid	8015 NM	
880-43257-59	T-11 (2')	Total/NA	Solid	8015 NM	
880-43257-60	T-11 (3')	Total/NA	Solid	8015 NM	
880-43257-61	T-11 (4')	Total/NA	Solid	8015 NM	
880-43257-62	T-11 (5')	Total/NA	Solid	8015 NM	
880-43257-63	T-11 (6')	Total/NA	Solid	8015 NM	
880-43257-64	T-11 (7')	Total/NA	Solid	8015 NM	
880-43257-65	T-11 (8')	Total/NA	Solid	8015 NM	
880-43257-66	T-12 (0-1')	Total/NA	Solid	8015 NM	
880-43257-67	T-12 (1.5')	Total/NA	Solid	8015 NM	
880-43257-68	T-12 (2')	Total/NA	Solid	8015 NM	
880-43257-69	T-12 (3')	Total/NA	Solid	8015 NM	
880-43257-70	T-12 (4')	Total/NA	Solid	8015 NM	
880-43257-71	T-12 (5')	Total/NA	Solid	8015 NM	
880-43257-72	T-12 (6')	Total/NA	Solid	8015 NM	
880-43257-73	T-12 (7')	Total/NA	Solid	8015 NM	
880-43257-74	T-13 (0-1')	Total/NA	Solid	8015 NM	
880-43257-75	T-13 (1.5')	Total/NA	Solid	8015 NM	
880-43257-76	T-13 (2')	Total/NA	Solid	8015 NM	
880-43257-77	T-13 (3')	Total/NA	Solid	8015 NM	
880-43257-78	T-13 (4')	Total/NA	Solid	8015 NM	
880-43257-79	T-14 (0-1')	Total/NA	Solid	8015 NM	
880-43257-80	T-14 (1.5')	Total/NA	Solid	8015 NM	
880-43257-81	T-14 (2')	Total/NA	Solid	8015 NM	
880-43257-82	T-14 (3')	Total/NA	Solid	8015 NM	
880-43257-83	T-14 (4')	Total/NA	Solid	8015 NM	
880-43257-84	T-15 (0-1')	Total/NA	Solid	8015 NM	
880-43257-85	T-15 (1.5')	Total/NA	Solid	8015 NM	
880-43257-86	T-15 (2')	Total/NA	Solid	8015 NM	
880-43257-87	T-15 (3')	Total/NA	Solid	8015 NM	
880-43257-88	T-15 (4')	Total/NA	Solid	8015 NM	
880-43257-89	T-16 (0-1')	Total/NA	Solid	8015 NM	
880-43257-90	T-16 (1.5')	Total/NA	Solid	8015 NM	
880-43257-91	T-16 (2')	Total/NA	Solid	8015 NM	
880-43257-92	T-16 (3')	Total/NA	Solid	8015 NM	
880-43257-93	T-16 (4')	Total/NA	Solid	8015 NM	
880-43257-94	T-17 (0-1')	Total/NA	Solid	8015 NM	
880-43257-95	T-17 (1.5')	Total/NA	Solid	8015 NM	
880-43257-96	T-17 (2')	Total/NA	Solid	8015 NM	
880-43257-97	T-17 (3')	Total/NA	Solid	8015 NM	
880-43257-98	T-17 (4')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 80389 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-99	T-18 (0-1')	Total/NA	Solid	8015 NM	
880-43257-100	T-18 (1.5')	Total/NA	Solid	8015 NM	
880-43257-101	T-18 (2')	Total/NA	Solid	8015 NM	
880-43257-102	T-18 (3')	Total/NA	Solid	8015 NM	
880-43257-103	T-18 (4')	Total/NA	Solid	8015 NM	
880-43257-104	T-19 (0-1')	Total/NA	Solid	8015 NM	
880-43257-105	T-19 (1.5')	Total/NA	Solid	8015 NM	
880-43257-106	T-19 (2')	Total/NA	Solid	8015 NM	
880-43257-107	T-19 (3')	Total/NA	Solid	8015 NM	
880-43257-108	T-19 (4')	Total/NA	Solid	8015 NM	
880-43257-109	T-20 (0-1')	Total/NA	Solid	8015 NM	
880-43257-110	T-20 (1.5')	Total/NA	Solid	8015 NM	
880-43257-111	T-20 (2')	Total/NA	Solid	8015 NM	
880-43257-112	T-20 (3')	Total/NA	Solid	8015 NM	
880-43257-113	T-20 (4')	Total/NA	Solid	8015 NM	
880-43257-114	T-21 (0-1')	Total/NA	Solid	8015 NM	
880-43257-115	T-21 (1.5')	Total/NA	Solid	8015 NM	
880-43257-116	T-21 (2')	Total/NA	Solid	8015 NM	
880-43257-117	T-21 (3')	Total/NA	Solid	8015 NM	
880-43257-118	T-21 (4')	Total/NA	Solid	8015 NM	
880-43257-119	T-22 (0-1')	Total/NA	Solid	8015 NM	
880-43257-120	T-22 (1.5')	Total/NA	Solid	8015 NM	
880-43257-121	T-22 (2')	Total/NA	Solid	8015 NM	
880-43257-122	T-22 (3')	Total/NA	Solid	8015 NM	
880-43257-123	T-22 (4')	Total/NA	Solid	8015 NM	
880-43257-124	T-23 (0-1')	Total/NA	Solid	8015 NM	
880-43257-125	T-23 (1.5')	Total/NA	Solid	8015 NM	
880-43257-126	T-23 (2')	Total/NA	Solid	8015 NM	
880-43257-127	T-23 (3')	Total/NA	Solid	8015 NM	
880-43257-128	T-23 (4')	Total/NA	Solid	8015 NM	
880-43257-129	T-24 (0-1')	Total/NA	Solid	8015 NM	
880-43257-130	T-24 (1.5')	Total/NA	Solid	8015 NM	
880-43257-131	T-24 (2')	Total/NA	Solid	8015 NM	
880-43257-132	T-24 (3')	Total/NA	Solid	8015 NM	
880-43257-133	T-24 (4')	Total/NA	Solid	8015 NM	
880-43257-134	T-25 (0-1')	Total/NA	Solid	8015 NM	
880-43257-135	T-25 (1.5')	Total/NA	Solid	8015 NM	
880-43257-136	T-25 (2')	Total/NA	Solid	8015 NM	
880-43257-137	T-25 (3')	Total/NA	Solid	8015 NM	
880-43257-138	T-25 (4')	Total/NA	Solid	8015 NM	
880-43257-139	T-26 (0-1')	Total/NA	Solid	8015 NM	
880-43257-140	T-26 (1.5')	Total/NA	Solid	8015 NM	
880-43257-141	T-26 (2')	Total/NA	Solid	8015 NM	
880-43257-142	T-26 (3')	Total/NA	Solid	8015 NM	
880-43257-143	T-27 (0-1')	Total/NA	Solid	8015 NM	
880-43257-144	T-28 (0-1')	Total/NA	Solid	8015 NM	
880-43257-145	T-29 (0-1')	Total/NA	Solid	8015 NM	

Analysis Batch: 80414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-1	T-1 (0-1')	Total/NA	Solid	8015B NM	80296

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 80414 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-2	T-1 (1.5')	Total/NA	Solid	8015B NM	80296
880-43257-3	T-1 (2')	Total/NA	Solid	8015B NM	80296
880-43257-4	T-1 (3')	Total/NA	Solid	8015B NM	80296
880-43257-7	T-2 (0-1')	Total/NA	Solid	8015B NM	80290
880-43257-8	T-2 (1.5')	Total/NA	Solid	8015B NM	80290
880-43257-9	T-2 (2')	Total/NA	Solid	8015B NM	80290
880-43257-10	T-2 (3')	Total/NA	Solid	8015B NM	80290
880-43257-11	T-2 (4')	Total/NA	Solid	8015B NM	80290
880-43257-12	T-3 (0-1')	Total/NA	Solid	8015B NM	80290
880-43257-13	T-3 (1.5')	Total/NA	Solid	8015B NM	80290
880-43257-14	T-3 (2')	Total/NA	Solid	8015B NM	80290
880-43257-15	T-3 (3')	Total/NA	Solid	8015B NM	80290
880-43257-16	T-3 (4')	Total/NA	Solid	8015B NM	80290
880-43257-17	T-4 (0-1')	Total/NA	Solid	8015B NM	80290
880-43257-18	T-4 (1.5')	Total/NA	Solid	8015B NM	80290
880-43257-19	T-4 (2')	Total/NA	Solid	8015B NM	80290
880-43257-20	T-4 (3')	Total/NA	Solid	8015B NM	80290
880-43257-21	T-4 (4')	Total/NA	Solid	8015B NM	80290
880-43257-22	T-5 (0-1')	Total/NA	Solid	8015B NM	80290
880-43257-23	T-5 (1.5')	Total/NA	Solid	8015B NM	80290
880-43257-24	T-5 (2')	Total/NA	Solid	8015B NM	80290
880-43257-25	T-5 (3')	Total/NA	Solid	8015B NM	80290
880-43257-26	T-5 (4')	Total/NA	Solid	8015B NM	80290
MB 880-80290/1-A	Method Blank	Total/NA	Solid	8015B NM	80290
MB 880-80296/1-A	Method Blank	Total/NA	Solid	8015B NM	80296
LCS 880-80290/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80290
LCS 880-80296/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80296
LCSD 880-80290/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80290
LCSD 880-80296/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80296
880-43254-A-21-F MS	Matrix Spike	Total/NA	Solid	8015B NM	80296
880-43254-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	80296
880-43257-7 MS	T-2 (0-1')	Total/NA	Solid	8015B NM	80290
880-43257-7 MSD	T-2 (0-1')	Total/NA	Solid	8015B NM	80290

Analysis Batch: 80416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-27	T-6 (0-1')	Total/NA	Solid	8015B NM	80287
880-43257-28	T-6 (1.5')	Total/NA	Solid	8015B NM	80287
880-43257-29	T-6 (2')	Total/NA	Solid	8015B NM	80287
880-43257-30	T-6 (3')	Total/NA	Solid	8015B NM	80287
880-43257-31	T-6 (4')	Total/NA	Solid	8015B NM	80287
880-43257-32	T-6 (5')	Total/NA	Solid	8015B NM	80287
880-43257-33	T-6 (6')	Total/NA	Solid	8015B NM	80287
880-43257-34	T-7 (0-1')	Total/NA	Solid	8015B NM	80287
880-43257-35	T-7 (1.5')	Total/NA	Solid	8015B NM	80287
880-43257-36	T-7 (2')	Total/NA	Solid	8015B NM	80287
880-43257-37	T-7 (3')	Total/NA	Solid	8015B NM	80287
880-43257-38	T-7 (4')	Total/NA	Solid	8015B NM	80287
880-43257-39	T-8 (0-1')	Total/NA	Solid	8015B NM	80287
880-43257-40	T-8 (1.5')	Total/NA	Solid	8015B NM	80287
880-43257-41	T-8 (2')	Total/NA	Solid	8015B NM	80287

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 80416 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-42	T-8 (3')	Total/NA	Solid	8015B NM	80287
880-43257-43	T-8 (4')	Total/NA	Solid	8015B NM	80287
880-43257-44	T-8 (5')	Total/NA	Solid	8015B NM	80287
880-43257-45	T-9 (0-1')	Total/NA	Solid	8015B NM	80287
880-43257-46	T-9 (1.5')	Total/NA	Solid	8015B NM	80287
880-43257-47	T-9 (2')	Total/NA	Solid	8015B NM	80286
880-43257-48	T-9 (3')	Total/NA	Solid	8015B NM	80286
880-43257-49	T-9 (4')	Total/NA	Solid	8015B NM	80286
880-43257-50	T-9 (5')	Total/NA	Solid	8015B NM	80286
880-43257-51	T-9 (6')	Total/NA	Solid	8015B NM	80286
880-43257-52	T-10 (0-1')	Total/NA	Solid	8015B NM	80286
880-43257-53	T-10 (1.5')	Total/NA	Solid	8015B NM	80286
880-43257-54	T-10 (2')	Total/NA	Solid	8015B NM	80286
880-43257-55	T-10 (3')	Total/NA	Solid	8015B NM	80286
880-43257-56	T-10 (4')	Total/NA	Solid	8015B NM	80286
880-43257-57	T-11 (0-1')	Total/NA	Solid	8015B NM	80286
880-43257-58	T-11 (1.5')	Total/NA	Solid	8015B NM	80286
880-43257-59	T-11 (2')	Total/NA	Solid	8015B NM	80286
880-43257-60	T-11 (3')	Total/NA	Solid	8015B NM	80286
880-43257-61	T-11 (4')	Total/NA	Solid	8015B NM	80286
880-43257-62	T-11 (5')	Total/NA	Solid	8015B NM	80286
880-43257-63	T-11 (6')	Total/NA	Solid	8015B NM	80286
880-43257-64	T-11 (7')	Total/NA	Solid	8015B NM	80286
880-43257-65	T-11 (8')	Total/NA	Solid	8015B NM	80286
880-43257-66	T-12 (0-1')	Total/NA	Solid	8015B NM	80286
MB 880-80286/1-A	Method Blank	Total/NA	Solid	8015B NM	80286
MB 880-80287/1-A	Method Blank	Total/NA	Solid	8015B NM	80287
LCS 880-80286/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80286
LCS 880-80287/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80287
LCSD 880-80286/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80286
LCSD 880-80287/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80287
880-43257-27 MS	T-6 (0-1')	Total/NA	Solid	8015B NM	80287
880-43257-27 MSD	T-6 (0-1')	Total/NA	Solid	8015B NM	80287
880-43257-47 MS	T-9 (2')	Total/NA	Solid	8015B NM	80286
880-43257-47 MSD	T-9 (2')	Total/NA	Solid	8015B NM	80286

Analysis Batch: 80520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-67	T-12 (1.5')	Total/NA	Solid	8015B NM	80285
880-43257-68	T-12 (2')	Total/NA	Solid	8015B NM	80285
880-43257-69	T-12 (3')	Total/NA	Solid	8015B NM	80285
880-43257-70	T-12 (4')	Total/NA	Solid	8015B NM	80285
880-43257-71	T-12 (5')	Total/NA	Solid	8015B NM	80285
880-43257-72	T-12 (6')	Total/NA	Solid	8015B NM	80285
880-43257-73	T-12 (7')	Total/NA	Solid	8015B NM	80285
880-43257-74	T-13 (0-1')	Total/NA	Solid	8015B NM	80285
880-43257-75	T-13 (1.5')	Total/NA	Solid	8015B NM	80285
880-43257-76	T-13 (2')	Total/NA	Solid	8015B NM	80285
880-43257-77	T-13 (3')	Total/NA	Solid	8015B NM	80285
880-43257-78	T-13 (4')	Total/NA	Solid	8015B NM	80285
880-43257-79	T-14 (0-1')	Total/NA	Solid	8015B NM	80285

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 80520 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-80	T-14 (1.5')	Total/NA	Solid	8015B NM	80285
880-43257-81	T-14 (2')	Total/NA	Solid	8015B NM	80285
880-43257-82	T-14 (3')	Total/NA	Solid	8015B NM	80285
880-43257-83	T-14 (4')	Total/NA	Solid	8015B NM	80285
880-43257-84	T-15 (0-1')	Total/NA	Solid	8015B NM	80285
880-43257-85	T-15 (1.5')	Total/NA	Solid	8015B NM	80285
880-43257-86	T-15 (2')	Total/NA	Solid	8015B NM	80285
880-43257-87	T-15 (3')	Total/NA	Solid	8015B NM	80284
880-43257-88	T-15 (4')	Total/NA	Solid	8015B NM	80284
880-43257-89	T-16 (0-1')	Total/NA	Solid	8015B NM	80284
880-43257-90	T-16 (1.5')	Total/NA	Solid	8015B NM	80284
880-43257-91	T-16 (2')	Total/NA	Solid	8015B NM	80284
880-43257-92	T-16 (3')	Total/NA	Solid	8015B NM	80284
880-43257-93	T-16 (4')	Total/NA	Solid	8015B NM	80284
880-43257-94	T-17 (0-1')	Total/NA	Solid	8015B NM	80284
880-43257-95	T-17 (1.5')	Total/NA	Solid	8015B NM	80284
880-43257-96	T-17 (2')	Total/NA	Solid	8015B NM	80284
880-43257-97	T-17 (3')	Total/NA	Solid	8015B NM	80284
880-43257-98	T-17 (4')	Total/NA	Solid	8015B NM	80284
880-43257-99	T-18 (0-1')	Total/NA	Solid	8015B NM	80284
880-43257-100	T-18 (1.5')	Total/NA	Solid	8015B NM	80284
880-43257-101	T-18 (2')	Total/NA	Solid	8015B NM	80284
880-43257-102	T-18 (3')	Total/NA	Solid	8015B NM	80284
880-43257-103	T-18 (4')	Total/NA	Solid	8015B NM	80284
880-43257-104	T-19 (0-1')	Total/NA	Solid	8015B NM	80284
880-43257-105	T-19 (1.5')	Total/NA	Solid	8015B NM	80284
880-43257-106	T-19 (2')	Total/NA	Solid	8015B NM	80284
MB 880-80284/1-A	Method Blank	Total/NA	Solid	8015B NM	80284
MB 880-80285/1-A	Method Blank	Total/NA	Solid	8015B NM	80285
LCS 880-80284/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80284
LCS 880-80285/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80285
LCSD 880-80284/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80284
LCSD 880-80285/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80285
880-43257-67 MS	T-12 (1.5')	Total/NA	Solid	8015B NM	80285
880-43257-67 MSD	T-12 (1.5')	Total/NA	Solid	8015B NM	80285
880-43257-87 MS	T-15 (3')	Total/NA	Solid	8015B NM	80284
880-43257-87 MSD	T-15 (3')	Total/NA	Solid	8015B NM	80284

Analysis Batch: 80522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-107	T-19 (3')	Total/NA	Solid	8015B NM	80282
880-43257-108	T-19 (4')	Total/NA	Solid	8015B NM	80282
880-43257-109	T-20 (0-1')	Total/NA	Solid	8015B NM	80282
880-43257-110	T-20 (1.5')	Total/NA	Solid	8015B NM	80282
880-43257-111	T-20 (2')	Total/NA	Solid	8015B NM	80282
880-43257-112	T-20 (3')	Total/NA	Solid	8015B NM	80282
880-43257-113	T-20 (4')	Total/NA	Solid	8015B NM	80282
880-43257-114	T-21 (0-1')	Total/NA	Solid	8015B NM	80282
880-43257-115	T-21 (1.5')	Total/NA	Solid	8015B NM	80282
880-43257-116	T-21 (2')	Total/NA	Solid	8015B NM	80282
880-43257-117	T-21 (3')	Total/NA	Solid	8015B NM	80282

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 80522 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-118	T-21 (4')	Total/NA	Solid	8015B NM	80282
880-43257-119	T-22 (0-1')	Total/NA	Solid	8015B NM	80282
880-43257-120	T-22 (1.5')	Total/NA	Solid	8015B NM	80282
880-43257-121	T-22 (2')	Total/NA	Solid	8015B NM	80282
880-43257-122	T-22 (3')	Total/NA	Solid	8015B NM	80282
880-43257-123	T-22 (4')	Total/NA	Solid	8015B NM	80282
880-43257-124	T-23 (0-1')	Total/NA	Solid	8015B NM	80282
880-43257-125	T-23 (1.5')	Total/NA	Solid	8015B NM	80282
880-43257-126	T-23 (2')	Total/NA	Solid	8015B NM	80282
880-43257-127	T-23 (3')	Total/NA	Solid	8015B NM	80281
880-43257-128	T-23 (4')	Total/NA	Solid	8015B NM	80281
880-43257-129	T-24 (0-1')	Total/NA	Solid	8015B NM	80281
880-43257-130	T-24 (1.5')	Total/NA	Solid	8015B NM	80281
880-43257-131	T-24 (2')	Total/NA	Solid	8015B NM	80281
880-43257-132	T-24 (3')	Total/NA	Solid	8015B NM	80281
880-43257-133	T-24 (4')	Total/NA	Solid	8015B NM	80281
880-43257-134	T-25 (0-1')	Total/NA	Solid	8015B NM	80281
880-43257-135	T-25 (1.5')	Total/NA	Solid	8015B NM	80281
880-43257-136	T-25 (2')	Total/NA	Solid	8015B NM	80281
880-43257-137	T-25 (3')	Total/NA	Solid	8015B NM	80281
880-43257-138	T-25 (4')	Total/NA	Solid	8015B NM	80281
880-43257-139	T-26 (0-1')	Total/NA	Solid	8015B NM	80281
880-43257-140	T-26 (1.5')	Total/NA	Solid	8015B NM	80281
880-43257-141	T-26 (2')	Total/NA	Solid	8015B NM	80281
880-43257-142	T-26 (3')	Total/NA	Solid	8015B NM	80281
880-43257-143	T-27 (0-1')	Total/NA	Solid	8015B NM	80281
880-43257-144	T-28 (0-1')	Total/NA	Solid	8015B NM	80281
880-43257-145	T-29 (0-1')	Total/NA	Solid	8015B NM	80281
MB 880-80281/1-A	Method Blank	Total/NA	Solid	8015B NM	80281
MB 880-80282/1-A	Method Blank	Total/NA	Solid	8015B NM	80282
LCS 880-80281/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80281
LCS 880-80282/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80282
LCSD 880-80281/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80281
LCSD 880-80282/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80282
880-43257-107 MS	T-19 (3')	Total/NA	Solid	8015B NM	80282
880-43257-107 MSD	T-19 (3')	Total/NA	Solid	8015B NM	80282
880-43257-127 MS	T-23 (3')	Total/NA	Solid	8015B NM	80281
880-43257-127 MSD	T-23 (3')	Total/NA	Solid	8015B NM	80281

HPLC/IC

Leach Batch: 80291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-43257-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-43257-3	T-1 (2')	Soluble	Solid	DI Leach	
880-43257-4	T-1 (3')	Soluble	Solid	DI Leach	
880-43257-5	T-1 (4')	Soluble	Solid	DI Leach	
880-43257-6	T-1 (5')	Soluble	Solid	DI Leach	
880-43257-7	T-2 (0-1')	Soluble	Solid	DI Leach	
880-43257-8	T-2 (1.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 80291 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-9	T-2 (2')	Soluble	Solid	DI Leach	
880-43257-10	T-2 (3')	Soluble	Solid	DI Leach	
880-43257-11	T-2 (4')	Soluble	Solid	DI Leach	
880-43257-12	T-3 (0-1')	Soluble	Solid	DI Leach	
880-43257-13	T-3 (1.5')	Soluble	Solid	DI Leach	
880-43257-14	T-3 (2')	Soluble	Solid	DI Leach	
880-43257-15	T-3 (3')	Soluble	Solid	DI Leach	
880-43257-16	T-3 (4')	Soluble	Solid	DI Leach	
880-43257-17	T-4 (0-1')	Soluble	Solid	DI Leach	
MB 880-80291/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80291/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80291/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43257-8 MS	T-2 (1.5')	Soluble	Solid	DI Leach	
880-43257-8 MSD	T-2 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 80293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-18	T-4 (1.5')	Soluble	Solid	DI Leach	
880-43257-19	T-4 (2')	Soluble	Solid	DI Leach	
880-43257-20	T-4 (3')	Soluble	Solid	DI Leach	
880-43257-21	T-4 (4')	Soluble	Solid	DI Leach	
880-43257-22	T-5 (0-1')	Soluble	Solid	DI Leach	
880-43257-23	T-5 (1.5')	Soluble	Solid	DI Leach	
880-43257-24	T-5 (2')	Soluble	Solid	DI Leach	
880-43257-25	T-5 (3')	Soluble	Solid	DI Leach	
880-43257-26	T-5 (4')	Soluble	Solid	DI Leach	
880-43257-27	T-6 (0-1')	Soluble	Solid	DI Leach	
880-43257-28	T-6 (1.5')	Soluble	Solid	DI Leach	
880-43257-29	T-6 (2')	Soluble	Solid	DI Leach	
880-43257-30	T-6 (3')	Soluble	Solid	DI Leach	
880-43257-31	T-6 (4')	Soluble	Solid	DI Leach	
880-43257-32	T-6 (5')	Soluble	Solid	DI Leach	
880-43257-33	T-6 (6')	Soluble	Solid	DI Leach	
880-43257-34	T-7 (0-1')	Soluble	Solid	DI Leach	
880-43257-35	T-7 (1.5')	Soluble	Solid	DI Leach	
880-43257-36	T-7 (2')	Soluble	Solid	DI Leach	
880-43257-37	T-7 (3')	Soluble	Solid	DI Leach	
MB 880-80293/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80293/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80293/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43257-18 MS	T-4 (1.5')	Soluble	Solid	DI Leach	
880-43257-18 MSD	T-4 (1.5')	Soluble	Solid	DI Leach	
880-43257-28 MS	T-6 (1.5')	Soluble	Solid	DI Leach	
880-43257-28 MSD	T-6 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 80295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-38	T-7 (4')	Soluble	Solid	DI Leach	
880-43257-39	T-8 (0-1')	Soluble	Solid	DI Leach	
880-43257-40	T-8 (1.5')	Soluble	Solid	DI Leach	
880-43257-41	T-8 (2')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 80295 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-42	T-8 (3')	Soluble	Solid	DI Leach	
880-43257-43	T-8 (4')	Soluble	Solid	DI Leach	
880-43257-44	T-8 (5')	Soluble	Solid	DI Leach	
880-43257-45	T-9 (0-1')	Soluble	Solid	DI Leach	
880-43257-46	T-9 (1.5')	Soluble	Solid	DI Leach	
880-43257-47	T-9 (2')	Soluble	Solid	DI Leach	
880-43257-48	T-9 (3')	Soluble	Solid	DI Leach	
880-43257-49	T-9 (4')	Soluble	Solid	DI Leach	
880-43257-50	T-9 (5')	Soluble	Solid	DI Leach	
880-43257-51	T-9 (6')	Soluble	Solid	DI Leach	
880-43257-52	T-10 (0-1')	Soluble	Solid	DI Leach	
880-43257-53	T-10 (1.5')	Soluble	Solid	DI Leach	
880-43257-54	T-10 (2')	Soluble	Solid	DI Leach	
880-43257-55	T-10 (3')	Soluble	Solid	DI Leach	
880-43257-56	T-10 (4')	Soluble	Solid	DI Leach	
880-43257-57	T-11 (0-1')	Soluble	Solid	DI Leach	
MB 880-80295/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80295/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80295/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43257-38 MS	T-7 (4')	Soluble	Solid	DI Leach	
880-43257-38 MSD	T-7 (4')	Soluble	Solid	DI Leach	
880-43257-48 MS	T-9 (3')	Soluble	Solid	DI Leach	
880-43257-48 MSD	T-9 (3')	Soluble	Solid	DI Leach	

Leach Batch: 80297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-58	T-11 (1.5')	Soluble	Solid	DI Leach	
880-43257-59	T-11 (2')	Soluble	Solid	DI Leach	
880-43257-60	T-11 (3')	Soluble	Solid	DI Leach	
880-43257-61	T-11 (4')	Soluble	Solid	DI Leach	
880-43257-62	T-11 (5')	Soluble	Solid	DI Leach	
880-43257-63	T-11 (6')	Soluble	Solid	DI Leach	
880-43257-64	T-11 (7')	Soluble	Solid	DI Leach	
880-43257-65	T-11 (8')	Soluble	Solid	DI Leach	
880-43257-66	T-12 (0-1')	Soluble	Solid	DI Leach	
880-43257-67	T-12 (1.5')	Soluble	Solid	DI Leach	
880-43257-68	T-12 (2')	Soluble	Solid	DI Leach	
880-43257-69	T-12 (3')	Soluble	Solid	DI Leach	
880-43257-70	T-12 (4')	Soluble	Solid	DI Leach	
880-43257-71	T-12 (5')	Soluble	Solid	DI Leach	
880-43257-72	T-12 (6')	Soluble	Solid	DI Leach	
880-43257-73	T-12 (7')	Soluble	Solid	DI Leach	
880-43257-74	T-13 (0-1')	Soluble	Solid	DI Leach	
880-43257-75	T-13 (1.5')	Soluble	Solid	DI Leach	
880-43257-76	T-13 (2')	Soluble	Solid	DI Leach	
880-43257-77	T-13 (3')	Soluble	Solid	DI Leach	
MB 880-80297/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80297/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80297/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43257-58 MS	T-11 (1.5')	Soluble	Solid	DI Leach	
880-43257-58 MSD	T-11 (1.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 80297 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-68 MS	T-12 (2')	Soluble	Solid	DI Leach	
880-43257-68 MSD	T-12 (2')	Soluble	Solid	DI Leach	

Leach Batch: 80298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-78	T-13 (4')	Soluble	Solid	DI Leach	
880-43257-79	T-14 (0-1')	Soluble	Solid	DI Leach	
880-43257-80	T-14 (1.5')	Soluble	Solid	DI Leach	
880-43257-81	T-14 (2')	Soluble	Solid	DI Leach	
880-43257-82	T-14 (3')	Soluble	Solid	DI Leach	
880-43257-83	T-14 (4')	Soluble	Solid	DI Leach	
880-43257-84	T-15 (0-1')	Soluble	Solid	DI Leach	
880-43257-85	T-15 (1.5')	Soluble	Solid	DI Leach	
880-43257-86	T-15 (2')	Soluble	Solid	DI Leach	
880-43257-87	T-15 (3')	Soluble	Solid	DI Leach	
880-43257-88	T-15 (4')	Soluble	Solid	DI Leach	
880-43257-89	T-16 (0-1')	Soluble	Solid	DI Leach	
880-43257-90	T-16 (1.5')	Soluble	Solid	DI Leach	
880-43257-91	T-16 (2')	Soluble	Solid	DI Leach	
880-43257-92	T-16 (3')	Soluble	Solid	DI Leach	
880-43257-93	T-16 (4')	Soluble	Solid	DI Leach	
880-43257-94	T-17 (0-1')	Soluble	Solid	DI Leach	
880-43257-95	T-17 (1.5')	Soluble	Solid	DI Leach	
880-43257-96	T-17 (2')	Soluble	Solid	DI Leach	
880-43257-97	T-17 (3')	Soluble	Solid	DI Leach	
MB 880-80298/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80298/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80298/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43257-78 MS	T-13 (4')	Soluble	Solid	DI Leach	
880-43257-78 MSD	T-13 (4')	Soluble	Solid	DI Leach	
880-43257-88 MS	T-15 (4')	Soluble	Solid	DI Leach	
880-43257-88 MSD	T-15 (4')	Soluble	Solid	DI Leach	

Leach Batch: 80299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-98	T-17 (4')	Soluble	Solid	DI Leach	
880-43257-99	T-18 (0-1')	Soluble	Solid	DI Leach	
880-43257-100	T-18 (1.5')	Soluble	Solid	DI Leach	
880-43257-101	T-18 (2')	Soluble	Solid	DI Leach	
880-43257-102	T-18 (3')	Soluble	Solid	DI Leach	
880-43257-103	T-18 (4')	Soluble	Solid	DI Leach	
880-43257-104	T-19 (0-1')	Soluble	Solid	DI Leach	
880-43257-105	T-19 (1.5')	Soluble	Solid	DI Leach	
880-43257-106	T-19 (2')	Soluble	Solid	DI Leach	
880-43257-107	T-19 (3')	Soluble	Solid	DI Leach	
880-43257-108	T-19 (4')	Soluble	Solid	DI Leach	
880-43257-109	T-20 (0-1')	Soluble	Solid	DI Leach	
880-43257-110	T-20 (1.5')	Soluble	Solid	DI Leach	
880-43257-111	T-20 (2')	Soluble	Solid	DI Leach	
880-43257-112	T-20 (3')	Soluble	Solid	DI Leach	
880-43257-113	T-20 (4')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 80299 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-114	T-21 (0-1')	Soluble	Solid	DI Leach	
880-43257-115	T-21 (1.5')	Soluble	Solid	DI Leach	
880-43257-116	T-21 (2')	Soluble	Solid	DI Leach	
880-43257-117	T-21 (3')	Soluble	Solid	DI Leach	
MB 880-80299/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80299/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80299/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43257-98 MS	T-17 (4')	Soluble	Solid	DI Leach	
880-43257-98 MSD	T-17 (4')	Soluble	Solid	DI Leach	
880-43257-108 MS	T-19 (4')	Soluble	Solid	DI Leach	
880-43257-108 MSD	T-19 (4')	Soluble	Solid	DI Leach	

Leach Batch: 80302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-118	T-21 (4')	Soluble	Solid	DI Leach	
880-43257-119	T-22 (0-1')	Soluble	Solid	DI Leach	
880-43257-120	T-22 (1.5')	Soluble	Solid	DI Leach	
880-43257-121	T-22 (2')	Soluble	Solid	DI Leach	
880-43257-122	T-22 (3')	Soluble	Solid	DI Leach	
880-43257-123	T-22 (4')	Soluble	Solid	DI Leach	
880-43257-124	T-23 (0-1')	Soluble	Solid	DI Leach	
880-43257-125	T-23 (1.5')	Soluble	Solid	DI Leach	
880-43257-126	T-23 (2')	Soluble	Solid	DI Leach	
880-43257-127	T-23 (3')	Soluble	Solid	DI Leach	
880-43257-128	T-23 (4')	Soluble	Solid	DI Leach	
880-43257-129	T-24 (0-1')	Soluble	Solid	DI Leach	
880-43257-130	T-24 (1.5')	Soluble	Solid	DI Leach	
880-43257-131	T-24 (2')	Soluble	Solid	DI Leach	
880-43257-132	T-24 (3')	Soluble	Solid	DI Leach	
880-43257-133	T-24 (4')	Soluble	Solid	DI Leach	
880-43257-134	T-25 (0-1')	Soluble	Solid	DI Leach	
880-43257-135	T-25 (1.5')	Soluble	Solid	DI Leach	
880-43257-136	T-25 (2')	Soluble	Solid	DI Leach	
880-43257-137	T-25 (3')	Soluble	Solid	DI Leach	
MB 880-80302/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80302/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80302/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43257-118 MS	T-21 (4')	Soluble	Solid	DI Leach	
880-43257-118 MSD	T-21 (4')	Soluble	Solid	DI Leach	
880-43257-128 MS	T-23 (4')	Soluble	Solid	DI Leach	
880-43257-128 MSD	T-23 (4')	Soluble	Solid	DI Leach	

Leach Batch: 80303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-138	T-25 (4')	Soluble	Solid	DI Leach	
880-43257-139	T-26 (0-1')	Soluble	Solid	DI Leach	
880-43257-140	T-26 (1.5')	Soluble	Solid	DI Leach	
880-43257-141	T-26 (2')	Soluble	Solid	DI Leach	
880-43257-142	T-26 (3')	Soluble	Solid	DI Leach	
880-43257-143	T-27 (0-1')	Soluble	Solid	DI Leach	
880-43257-144	T-28 (0-1')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 80303 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-145	T-29 (0-1')	Soluble	Solid	DI Leach	
MB 880-80303/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80303/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80303/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43257-138 MS	T-25 (4')	Soluble	Solid	DI Leach	
880-43257-138 MSD	T-25 (4')	Soluble	Solid	DI Leach	

Analysis Batch: 80330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-1	T-1 (0-1')	Soluble	Solid	300.0	80291
880-43257-2	T-1 (1.5')	Soluble	Solid	300.0	80291
880-43257-3	T-1 (2')	Soluble	Solid	300.0	80291
880-43257-4	T-1 (3')	Soluble	Solid	300.0	80291
880-43257-5	T-1 (4')	Soluble	Solid	300.0	80291
880-43257-6	T-1 (5')	Soluble	Solid	300.0	80291
880-43257-7	T-2 (0-1')	Soluble	Solid	300.0	80291
880-43257-8	T-2 (1.5')	Soluble	Solid	300.0	80291
880-43257-9	T-2 (2')	Soluble	Solid	300.0	80291
880-43257-10	T-2 (3')	Soluble	Solid	300.0	80291
880-43257-11	T-2 (4')	Soluble	Solid	300.0	80291
880-43257-12	T-3 (0-1')	Soluble	Solid	300.0	80291
880-43257-13	T-3 (1.5')	Soluble	Solid	300.0	80291
880-43257-14	T-3 (2')	Soluble	Solid	300.0	80291
880-43257-15	T-3 (3')	Soluble	Solid	300.0	80291
880-43257-16	T-3 (4')	Soluble	Solid	300.0	80291
880-43257-17	T-4 (0-1')	Soluble	Solid	300.0	80291
MB 880-80291/1-A	Method Blank	Soluble	Solid	300.0	80291
LCS 880-80291/2-A	Lab Control Sample	Soluble	Solid	300.0	80291
LCSD 880-80291/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80291
880-43257-8 MS	T-2 (1.5')	Soluble	Solid	300.0	80291
880-43257-8 MSD	T-2 (1.5')	Soluble	Solid	300.0	80291

Analysis Batch: 80335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-18	T-4 (1.5')	Soluble	Solid	300.0	80293
880-43257-19	T-4 (2')	Soluble	Solid	300.0	80293
880-43257-20	T-4 (3')	Soluble	Solid	300.0	80293
880-43257-21	T-4 (4')	Soluble	Solid	300.0	80293
880-43257-22	T-5 (0-1')	Soluble	Solid	300.0	80293
880-43257-23	T-5 (1.5')	Soluble	Solid	300.0	80293
880-43257-24	T-5 (2')	Soluble	Solid	300.0	80293
880-43257-25	T-5 (3')	Soluble	Solid	300.0	80293
880-43257-26	T-5 (4')	Soluble	Solid	300.0	80293
880-43257-27	T-6 (0-1')	Soluble	Solid	300.0	80293
880-43257-28	T-6 (1.5')	Soluble	Solid	300.0	80293
880-43257-29	T-6 (2')	Soluble	Solid	300.0	80293
880-43257-30	T-6 (3')	Soluble	Solid	300.0	80293
880-43257-31	T-6 (4')	Soluble	Solid	300.0	80293
880-43257-32	T-6 (5')	Soluble	Solid	300.0	80293
880-43257-33	T-6 (6')	Soluble	Solid	300.0	80293
880-43257-34	T-7 (0-1')	Soluble	Solid	300.0	80293

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 80335 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-35	T-7 (1.5')	Soluble	Solid	300.0	80293
880-43257-36	T-7 (2')	Soluble	Solid	300.0	80293
880-43257-37	T-7 (3')	Soluble	Solid	300.0	80293
MB 880-80293/1-A	Method Blank	Soluble	Solid	300.0	80293
LCS 880-80293/2-A	Lab Control Sample	Soluble	Solid	300.0	80293
LCSD 880-80293/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80293
880-43257-18 MS	T-4 (1.5')	Soluble	Solid	300.0	80293
880-43257-18 MSD	T-4 (1.5')	Soluble	Solid	300.0	80293
880-43257-28 MS	T-6 (1.5')	Soluble	Solid	300.0	80293
880-43257-28 MSD	T-6 (1.5')	Soluble	Solid	300.0	80293

Analysis Batch: 80337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-38	T-7 (4')	Soluble	Solid	300.0	80295
880-43257-39	T-8 (0-1')	Soluble	Solid	300.0	80295
880-43257-40	T-8 (1.5')	Soluble	Solid	300.0	80295
880-43257-41	T-8 (2')	Soluble	Solid	300.0	80295
880-43257-42	T-8 (3')	Soluble	Solid	300.0	80295
880-43257-43	T-8 (4')	Soluble	Solid	300.0	80295
880-43257-44	T-8 (5')	Soluble	Solid	300.0	80295
880-43257-45	T-9 (0-1')	Soluble	Solid	300.0	80295
880-43257-46	T-9 (1.5')	Soluble	Solid	300.0	80295
880-43257-47	T-9 (2')	Soluble	Solid	300.0	80295
880-43257-48	T-9 (3')	Soluble	Solid	300.0	80295
880-43257-49	T-9 (4')	Soluble	Solid	300.0	80295
880-43257-50	T-9 (5')	Soluble	Solid	300.0	80295
880-43257-51	T-9 (6')	Soluble	Solid	300.0	80295
880-43257-52	T-10 (0-1')	Soluble	Solid	300.0	80295
880-43257-53	T-10 (1.5')	Soluble	Solid	300.0	80295
880-43257-54	T-10 (2')	Soluble	Solid	300.0	80295
880-43257-55	T-10 (3')	Soluble	Solid	300.0	80295
880-43257-56	T-10 (4')	Soluble	Solid	300.0	80295
880-43257-57	T-11 (0-1')	Soluble	Solid	300.0	80295
MB 880-80295/1-A	Method Blank	Soluble	Solid	300.0	80295
LCS 880-80295/2-A	Lab Control Sample	Soluble	Solid	300.0	80295
LCSD 880-80295/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80295
880-43257-38 MS	T-7 (4')	Soluble	Solid	300.0	80295
880-43257-38 MSD	T-7 (4')	Soluble	Solid	300.0	80295
880-43257-48 MS	T-9 (3')	Soluble	Solid	300.0	80295
880-43257-48 MSD	T-9 (3')	Soluble	Solid	300.0	80295

Analysis Batch: 80354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-58	T-11 (1.5')	Soluble	Solid	300.0	80297
880-43257-59	T-11 (2')	Soluble	Solid	300.0	80297
880-43257-60	T-11 (3')	Soluble	Solid	300.0	80297
880-43257-61	T-11 (4')	Soluble	Solid	300.0	80297
880-43257-62	T-11 (5')	Soluble	Solid	300.0	80297
880-43257-63	T-11 (6')	Soluble	Solid	300.0	80297
880-43257-64	T-11 (7')	Soluble	Solid	300.0	80297
880-43257-65	T-11 (8')	Soluble	Solid	300.0	80297

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 80354 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-66	T-12 (0-1')	Soluble	Solid	300.0	80297
880-43257-67	T-12 (1.5')	Soluble	Solid	300.0	80297
880-43257-68	T-12 (2')	Soluble	Solid	300.0	80297
880-43257-69	T-12 (3')	Soluble	Solid	300.0	80297
880-43257-70	T-12 (4')	Soluble	Solid	300.0	80297
880-43257-71	T-12 (5')	Soluble	Solid	300.0	80297
880-43257-72	T-12 (6')	Soluble	Solid	300.0	80297
880-43257-73	T-12 (7')	Soluble	Solid	300.0	80297
880-43257-74	T-13 (0-1')	Soluble	Solid	300.0	80297
880-43257-75	T-13 (1.5')	Soluble	Solid	300.0	80297
880-43257-76	T-13 (2')	Soluble	Solid	300.0	80297
880-43257-77	T-13 (3')	Soluble	Solid	300.0	80297
MB 880-80297/1-A	Method Blank	Soluble	Solid	300.0	80297
LCS 880-80297/2-A	Lab Control Sample	Soluble	Solid	300.0	80297
LCSD 880-80297/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80297
880-43257-58 MS	T-11 (1.5')	Soluble	Solid	300.0	80297
880-43257-58 MSD	T-11 (1.5')	Soluble	Solid	300.0	80297
880-43257-68 MS	T-12 (2')	Soluble	Solid	300.0	80297
880-43257-68 MSD	T-12 (2')	Soluble	Solid	300.0	80297

Analysis Batch: 80355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-78	T-13 (4')	Soluble	Solid	300.0	80298
880-43257-79	T-14 (0-1')	Soluble	Solid	300.0	80298
880-43257-80	T-14 (1.5')	Soluble	Solid	300.0	80298
880-43257-81	T-14 (2')	Soluble	Solid	300.0	80298
880-43257-82	T-14 (3')	Soluble	Solid	300.0	80298
880-43257-83	T-14 (4')	Soluble	Solid	300.0	80298
880-43257-84	T-15 (0-1')	Soluble	Solid	300.0	80298
880-43257-85	T-15 (1.5')	Soluble	Solid	300.0	80298
880-43257-86	T-15 (2')	Soluble	Solid	300.0	80298
880-43257-87	T-15 (3')	Soluble	Solid	300.0	80298
880-43257-88	T-15 (4')	Soluble	Solid	300.0	80298
880-43257-89	T-16 (0-1')	Soluble	Solid	300.0	80298
880-43257-90	T-16 (1.5')	Soluble	Solid	300.0	80298
880-43257-91	T-16 (2')	Soluble	Solid	300.0	80298
880-43257-92	T-16 (3')	Soluble	Solid	300.0	80298
880-43257-93	T-16 (4')	Soluble	Solid	300.0	80298
880-43257-94	T-17 (0-1')	Soluble	Solid	300.0	80298
880-43257-95	T-17 (1.5')	Soluble	Solid	300.0	80298
880-43257-96	T-17 (2')	Soluble	Solid	300.0	80298
880-43257-97	T-17 (3')	Soluble	Solid	300.0	80298
MB 880-80298/1-A	Method Blank	Soluble	Solid	300.0	80298
LCS 880-80298/2-A	Lab Control Sample	Soluble	Solid	300.0	80298
LCSD 880-80298/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80298
880-43257-78 MS	T-13 (4')	Soluble	Solid	300.0	80298
880-43257-78 MSD	T-13 (4')	Soluble	Solid	300.0	80298
880-43257-88 MS	T-15 (4')	Soluble	Solid	300.0	80298
880-43257-88 MSD	T-15 (4')	Soluble	Solid	300.0	80298

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

HPLC/IC

Analysis Batch: 80356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-98	T-17 (4')	Soluble	Solid	300.0	80299
880-43257-99	T-18 (0-1')	Soluble	Solid	300.0	80299
880-43257-100	T-18 (1.5')	Soluble	Solid	300.0	80299
880-43257-101	T-18 (2')	Soluble	Solid	300.0	80299
880-43257-102	T-18 (3')	Soluble	Solid	300.0	80299
880-43257-103	T-18 (4')	Soluble	Solid	300.0	80299
880-43257-104	T-19 (0-1')	Soluble	Solid	300.0	80299
880-43257-105	T-19 (1.5')	Soluble	Solid	300.0	80299
880-43257-106	T-19 (2')	Soluble	Solid	300.0	80299
880-43257-107	T-19 (3')	Soluble	Solid	300.0	80299
880-43257-108	T-19 (4')	Soluble	Solid	300.0	80299
880-43257-109	T-20 (0-1')	Soluble	Solid	300.0	80299
880-43257-110	T-20 (1.5')	Soluble	Solid	300.0	80299
880-43257-111	T-20 (2')	Soluble	Solid	300.0	80299
880-43257-112	T-20 (3')	Soluble	Solid	300.0	80299
880-43257-113	T-20 (4')	Soluble	Solid	300.0	80299
880-43257-114	T-21 (0-1')	Soluble	Solid	300.0	80299
880-43257-115	T-21 (1.5')	Soluble	Solid	300.0	80299
880-43257-116	T-21 (2')	Soluble	Solid	300.0	80299
880-43257-117	T-21 (3')	Soluble	Solid	300.0	80299
MB 880-80299/1-A	Method Blank	Soluble	Solid	300.0	80299
LCS 880-80299/2-A	Lab Control Sample	Soluble	Solid	300.0	80299
LCSD 880-80299/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80299
880-43257-98 MS	T-17 (4')	Soluble	Solid	300.0	80299
880-43257-98 MSD	T-17 (4')	Soluble	Solid	300.0	80299
880-43257-108 MS	T-19 (4')	Soluble	Solid	300.0	80299
880-43257-108 MSD	T-19 (4')	Soluble	Solid	300.0	80299

Analysis Batch: 80357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-118	T-21 (4')	Soluble	Solid	300.0	80302
880-43257-119	T-22 (0-1')	Soluble	Solid	300.0	80302
880-43257-120	T-22 (1.5')	Soluble	Solid	300.0	80302
880-43257-121	T-22 (2')	Soluble	Solid	300.0	80302
880-43257-122	T-22 (3')	Soluble	Solid	300.0	80302
880-43257-123	T-22 (4')	Soluble	Solid	300.0	80302
880-43257-124	T-23 (0-1')	Soluble	Solid	300.0	80302
880-43257-125	T-23 (1.5')	Soluble	Solid	300.0	80302
880-43257-126	T-23 (2')	Soluble	Solid	300.0	80302
880-43257-127	T-23 (3')	Soluble	Solid	300.0	80302
880-43257-128	T-23 (4')	Soluble	Solid	300.0	80302
880-43257-129	T-24 (0-1')	Soluble	Solid	300.0	80302
880-43257-130	T-24 (1.5')	Soluble	Solid	300.0	80302
880-43257-131	T-24 (2')	Soluble	Solid	300.0	80302
880-43257-132	T-24 (3')	Soluble	Solid	300.0	80302
880-43257-133	T-24 (4')	Soluble	Solid	300.0	80302
880-43257-134	T-25 (0-1')	Soluble	Solid	300.0	80302
880-43257-135	T-25 (1.5')	Soluble	Solid	300.0	80302
880-43257-136	T-25 (2')	Soluble	Solid	300.0	80302
880-43257-137	T-25 (3')	Soluble	Solid	300.0	80302
MB 880-80302/1-A	Method Blank	Soluble	Solid	300.0	80302

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 80357 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-80302/2-A	Lab Control Sample	Soluble	Solid	300.0	80302
LCSD 880-80302/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80302
880-43257-118 MS	T-21 (4')	Soluble	Solid	300.0	80302
880-43257-118 MSD	T-21 (4')	Soluble	Solid	300.0	80302
880-43257-128 MS	T-23 (4')	Soluble	Solid	300.0	80302
880-43257-128 MSD	T-23 (4')	Soluble	Solid	300.0	80302

Analysis Batch: 80362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43257-138	T-25 (4')	Soluble	Solid	300.0	80303
880-43257-139	T-26 (0-1')	Soluble	Solid	300.0	80303
880-43257-140	T-26 (1.5')	Soluble	Solid	300.0	80303
880-43257-141	T-26 (2')	Soluble	Solid	300.0	80303
880-43257-142	T-26 (3')	Soluble	Solid	300.0	80303
880-43257-143	T-27 (0-1')	Soluble	Solid	300.0	80303
880-43257-144	T-28 (0-1')	Soluble	Solid	300.0	80303
880-43257-145	T-29 (0-1')	Soluble	Solid	300.0	80303
MB 880-80303/1-A	Method Blank	Soluble	Solid	300.0	80303
LCS 880-80303/2-A	Lab Control Sample	Soluble	Solid	300.0	80303
LCSD 880-80303/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80303
880-43257-138 MS	T-25 (4')	Soluble	Solid	300.0	80303
880-43257-138 MSD	T-25 (4')	Soluble	Solid	300.0	80303

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-1
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 12:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 12:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 02:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/11/24 02:26	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80330	05/09/24 11:13	SMC	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-43257-2
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 12:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 02:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/11/24 02:46	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 11:20	SMC	EET MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-43257-3
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 13:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 13:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 03:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/11/24 03:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 11:38	SMC	EET MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-43257-4
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 13:31	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

Client Sample ID: T-1 (3')
Lab Sample ID: 880-43257-4
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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			80389	05/11/24 03:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/11/24 03:27	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 11:44	SMC	EET MID

Client Sample ID: T-1 (4')
Lab Sample ID: 880-43257-5
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 13:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 13:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/08/24 23:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	79949	05/08/24 16:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80304	05/08/24 23:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 11:50	SMC	EET MID

Client Sample ID: T-1 (5')
Lab Sample ID: 880-43257-6
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 14:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/08/24 23:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	79949	05/08/24 16:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80304	05/08/24 23:40	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 11:56	SMC	EET MID

Client Sample ID: T-2 (0-1')
Lab Sample ID: 880-43257-7
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 14:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 11:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 11:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-7
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 12:03	SMC	EET MID

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-43257-8
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 14:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 12:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 12:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 12:09	SMC	EET MID

Client Sample ID: T-2 (2')

Lab Sample ID: 880-43257-9
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 15:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 15:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 12:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 12:41	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 12:27	SMC	EET MID

Client Sample ID: T-2 (3')

Lab Sample ID: 880-43257-10
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 15:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 15:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 13:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 13:02	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 12:33	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (4')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 17:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 13:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 13:23	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 12:52	SMC	EET MID

Client Sample ID: T-3 (0-1')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 17:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 13:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 13:43	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80330	05/09/24 12:58	SMC	EET MID

Client Sample ID: T-3 (1.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-13
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			4.95 g	5 mL	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 18:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 14:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 14:03	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80330	05/09/24 13:04	SMC	EET MID

Client Sample ID: T-3 (2')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 18:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 18:28	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (2')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			80389	05/10/24 14:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 14:23	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 13:10	SMC	EET MID

Client Sample ID: T-3 (3')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 18:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 14:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 14:44	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 13:16	SMC	EET MID

Client Sample ID: T-3 (4')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 19:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 15:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 15:04	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 13:22	SMC	EET MID

Client Sample ID: T-4 (0-1')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 19:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 19:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 15:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 15:52	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43257-17
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 13:29	SMC	EET MID

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-43257-18
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 19:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 19:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 16:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 16:12	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 13:15	SMC	EET MID

Client Sample ID: T-4 (2')

Lab Sample ID: 880-43257-19
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 20:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 20:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 16:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 16:33	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 13:32	SMC	EET MID

Client Sample ID: T-4 (3')

Lab Sample ID: 880-43257-20
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80339	05/09/24 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/09/24 20:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 20:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 16:53	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 13:37	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-4 (4')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 16:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 16:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 17:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 17:13	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 13:43	SMC	EET MID

Client Sample ID: T-5 (0-1')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-22
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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 17:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 17:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 17:34	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80335	05/09/24 13:48	SMC	EET MID

Client Sample ID: T-5 (1.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-23
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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 17:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 17:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 17:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 17:54	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80335	05/09/24 14:05	SMC	EET MID

Client Sample ID: T-5 (2')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-24
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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 18:04	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-5 (2')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			80389	05/10/24 18:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 18:15	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 14:10	SMC	EET MID

Client Sample ID: T-5 (3')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-25
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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 18:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 18:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 18:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 18:35	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 14:15	SMC	EET MID

Client Sample ID: T-5 (4')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-26
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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 18:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 18:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80290	05/08/24 16:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 18:56	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 14:21	SMC	EET MID

Client Sample ID: T-6 (0-1')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-27
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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 19:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 19:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 11:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 11:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-43257-27
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80335	05/09/24 14:26	SMC	EET MID

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-43257-28
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 19:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 19:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 12:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 12:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 14:32	SMC	EET MID

Client Sample ID: T-6 (2')

Lab Sample ID: 880-43257-29
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 20:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 20:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 12:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 12:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 14:48	SMC	EET MID

Client Sample ID: T-6 (3')

Lab Sample ID: 880-43257-30
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 20:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 20:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 13:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 13:02	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 14:53	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-6 (4')

Lab Sample ID: 880-43257-31
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 22:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 22:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 13:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 13:23	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 15:10	SMC	EET MID

Client Sample ID: T-6 (5')

Lab Sample ID: 880-43257-32
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 22:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 22:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 13:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 13:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80335	05/09/24 15:15	SMC	EET MID

Client Sample ID: T-6 (6')

Lab Sample ID: 880-43257-33
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 23:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 23:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 14:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 14:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 15:21	SMC	EET MID

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-43257-34
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/09/24 23:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 23:51	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

Client Sample ID: T-7 (0-1')
Lab Sample ID: 880-43257-34
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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			80389	05/10/24 14:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 14:23	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 15:26	SMC	EET MID

Client Sample ID: T-7 (1.5')
Lab Sample ID: 880-43257-35
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 00:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 00:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 14:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 14:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 15:32	SMC	EET MID

Client Sample ID: T-7 (2')
Lab Sample ID: 880-43257-36
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 00:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 00:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 15:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 15:04	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80335	05/09/24 15:37	SMC	EET MID

Client Sample ID: T-7 (3')
Lab Sample ID: 880-43257-37
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 01:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 15:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 15:52	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-7 (3')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	80293	05/08/24 16:49	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80335	05/09/24 15:42	SMC	EET MID

Client Sample ID: T-7 (4')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 01:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 01:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 16:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 16:12	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80337	05/09/24 13:03	SMC	EET MID

Client Sample ID: T-8 (0-1')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 02:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 02:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 16:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 16:33	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80337	05/09/24 13:22	SMC	EET MID

Client Sample ID: T-8 (1.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	80340	05/09/24 10:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 02:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 02:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 16:53	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80337	05/09/24 13:29	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-8 (2')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-41
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			4.98 g	5 mL	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 00:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 00:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 17:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 17:13	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80337	05/09/24 13:35	SMC	EET MID

Client Sample ID: T-8 (3')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 00:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 00:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 17:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 17:34	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80337	05/09/24 13:41	SMC	EET MID

Client Sample ID: T-8 (4')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 00:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 00:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 17:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 17:54	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80337	05/09/24 14:00	SMC	EET MID

Client Sample ID: T-8 (5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 01:11	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-8 (5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-44
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			80389	05/10/24 18:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 18:15	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80337	05/09/24 14:06	SMC	EET MID

Client Sample ID: T-9 (0-1')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-45
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			4.96 g	5 mL	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 01:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 01:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 18:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 18:35	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80337	05/09/24 14:13	SMC	EET MID

Client Sample ID: T-9 (1.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 01:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 18:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	80287	05/08/24 16:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 18:56	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80337	05/09/24 14:19	SMC	EET MID

Client Sample ID: T-9 (2')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-47
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			4.99 g	5 mL	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 02:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 02:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 20:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 20:37	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (2')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80337	05/09/24 14:25	SMC	EET MID

Client Sample ID: T-9 (3')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-48
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 02:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 02:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 21:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 21:38	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80337	05/09/24 14:32	SMC	EET MID

Client Sample ID: T-9 (4')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 02:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 02:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 21:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 21:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80337	05/09/24 14:50	SMC	EET MID

Client Sample ID: T-9 (5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43257-50
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			5.05 g	5 mL	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 03:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 03:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 22:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 22:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80337	05/09/24 14:57	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (6')
Lab Sample ID: 880-43257-51
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 05:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 05:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 22:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 22:41	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80337	05/09/24 15:16	SMC	EET MID

Client Sample ID: T-10 (0-1')
Lab Sample ID: 880-43257-52
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 05:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 05:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 23:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 23:01	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80337	05/09/24 15:22	SMC	EET MID

Client Sample ID: T-10 (1.5')
Lab Sample ID: 880-43257-53
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 05:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 05:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/10/24 23:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 23:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80337	05/09/24 15:28	SMC	EET MID

Client Sample ID: T-10 (2')
Lab Sample ID: 880-43257-54
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 06:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 06:06	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-10 (2')
Lab Sample ID: 880-43257-54
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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			80389	05/10/24 23:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/10/24 23:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80337	05/09/24 15:35	SMC	EET MID

Client Sample ID: T-10 (3')
Lab Sample ID: 880-43257-55
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 06:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 06:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 00:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/11/24 00:04	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80337	05/09/24 15:41	SMC	EET MID

Client Sample ID: T-10 (4')
Lab Sample ID: 880-43257-56
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 06:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 06:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 00:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/11/24 00:24	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80337	05/09/24 15:47	SMC	EET MID

Client Sample ID: T-11 (0-1')
Lab Sample ID: 880-43257-57
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 07:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 07:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 01:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/11/24 01:04	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (0-1')

Lab Sample ID: 880-43257-57
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80295	05/08/24 16:52	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80337	05/09/24 15:53	SMC	EET MID

Client Sample ID: T-11 (1.5')

Lab Sample ID: 880-43257-58
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 07:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 07:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 01:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/11/24 01:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80354	05/10/24 01:46	SMC	EET MID

Client Sample ID: T-11 (2')

Lab Sample ID: 880-43257-59
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 07:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 07:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 01:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/11/24 01:45	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80354	05/10/24 02:02	SMC	EET MID

Client Sample ID: T-11 (3')

Lab Sample ID: 880-43257-60
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80341	05/09/24 10:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80321	05/10/24 08:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 08:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 02:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/11/24 02:05	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80354	05/10/24 02:08	SMC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (4')
Lab Sample ID: 880-43257-61
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 06:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 06:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 02:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/11/24 02:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80354	05/10/24 02:13	SMC	EET MID

Client Sample ID: T-11 (5')
Lab Sample ID: 880-43257-62
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 06:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 06:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 02:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/11/24 02:46	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80354	05/10/24 02:19	SMC	EET MID

Client Sample ID: T-11 (6')
Lab Sample ID: 880-43257-63
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 07:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 07:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 03:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/11/24 03:06	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80354	05/10/24 02:35	SMC	EET MID

Client Sample ID: T-11 (7')
Lab Sample ID: 880-43257-64
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 07:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 07:49	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

Client Sample ID: T-11 (7')
Lab Sample ID: 880-43257-64
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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			80389	05/11/24 03:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/11/24 03:27	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80354	05/10/24 02:40	SMC	EET MID

Client Sample ID: T-11 (8')
Lab Sample ID: 880-43257-65
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 08:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 08:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 03:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/11/24 03:47	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80354	05/10/24 02:46	SMC	EET MID

Client Sample ID: T-12 (0-1')
Lab Sample ID: 880-43257-66
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 08:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 08:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 04:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80286	05/08/24 16:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80416	05/11/24 04:08	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80354	05/10/24 02:51	SMC	EET MID

Client Sample ID: T-12 (1.5')
Lab Sample ID: 880-43257-67
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 09:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 09:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 11:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 11:05	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-12 (1.5')

Lab Sample ID: 880-43257-67
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80354	05/10/24 02:56	SMC	EET MID

Client Sample ID: T-12 (2')

Lab Sample ID: 880-43257-68
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 09:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 09:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 12:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 12:06	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80354	05/10/24 03:02	SMC	EET MID

Client Sample ID: T-12 (3')

Lab Sample ID: 880-43257-69
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 10:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 10:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 12:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80354	05/10/24 03:18	SMC	EET MID

Client Sample ID: T-12 (4')

Lab Sample ID: 880-43257-70
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 10:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 12:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 12:46	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80354	05/10/24 03:24	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

Client Sample ID: T-12 (5')
Lab Sample ID: 880-43257-71
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 12:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 10:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 10:44	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80354	05/10/24 03:40	SMC	EET MID

Client Sample ID: T-12 (6')
Lab Sample ID: 880-43257-72
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 13:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 13:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 19:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 19:31	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80354	05/10/24 03:45	SMC	EET MID

Client Sample ID: T-12 (7')
Lab Sample ID: 880-43257-73
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 13:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 13:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 19:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 19:51	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80354	05/10/24 03:51	SMC	EET MID

Client Sample ID: T-13 (0-1')
Lab Sample ID: 880-43257-74
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 14:00	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-13 (0-1')

Lab Sample ID: 880-43257-74
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			80389	05/11/24 20:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 20:11	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80354	05/10/24 03:56	SMC	EET MID

Client Sample ID: T-13 (1.5')

Lab Sample ID: 880-43257-75
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 14:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 20:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 20:32	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80354	05/10/24 04:02	SMC	EET MID

Client Sample ID: T-13 (2')

Lab Sample ID: 880-43257-76
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 14:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 20:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 20:53	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80354	05/10/24 04:07	SMC	EET MID

Client Sample ID: T-13 (3')

Lab Sample ID: 880-43257-77
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 15:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 15:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 21:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 21:33	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-13 (3')
Lab Sample ID: 880-43257-77

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80297	05/08/24 16:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80354	05/10/24 04:13	SMC	EET MID

Client Sample ID: T-13 (4')
Lab Sample ID: 880-43257-78

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 15:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 15:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 21:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 21:53	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 20:25	SMC	EET MID

Client Sample ID: T-14 (0-1')
Lab Sample ID: 880-43257-79

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 16:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 22:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 22:14	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 20:44	SMC	EET MID

Client Sample ID: T-14 (1.5')
Lab Sample ID: 880-43257-80

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80342	05/09/24 10:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80318	05/10/24 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 16:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 22:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 22:34	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 20:50	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-14 (2')

Lab Sample ID: 880-43257-81
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/09/24 23:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 23:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 22:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 22:54	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 20:56	SMC	EET MID

Client Sample ID: T-14 (3')

Lab Sample ID: 880-43257-82
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/09/24 23:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 23:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 23:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 23:15	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 21:03	SMC	EET MID

Client Sample ID: T-14 (4')

Lab Sample ID: 880-43257-83
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 00:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 00:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 23:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 23:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 21:22	SMC	EET MID

Client Sample ID: T-15 (0-1')

Lab Sample ID: 880-43257-84
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 00:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 00:29	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-15 (0-1')

Lab Sample ID: 880-43257-84
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			80389	05/11/24 23:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/11/24 23:56	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	80355	05/09/24 21:28	SMC	EET MID

Client Sample ID: T-15 (1.5')

Lab Sample ID: 880-43257-85
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 00:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 00:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 00:16	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80355	05/09/24 21:34	SMC	EET MID

Client Sample ID: T-15 (2')

Lab Sample ID: 880-43257-86
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 01:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 01:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 00:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80285	05/08/24 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 00:38	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80355	05/09/24 21:41	SMC	EET MID

Client Sample ID: T-15 (3')

Lab Sample ID: 880-43257-87
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 01:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 02:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 02:21	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-15 (3')

Lab Sample ID: 880-43257-87
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80355	05/09/24 21:47	SMC	EET MID

Client Sample ID: T-15 (4')

Lab Sample ID: 880-43257-88
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 01:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 01:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 03:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 03:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 21:53	SMC	EET MID

Client Sample ID: T-16 (0-1')

Lab Sample ID: 880-43257-89
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 02:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 03:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 03:42	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 22:12	SMC	EET MID

Client Sample ID: T-16 (1.5')

Lab Sample ID: 880-43257-90
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 02:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 02:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 04:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 04:02	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 22:18	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-16 (2')
Lab Sample ID: 880-43257-91
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 04:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 04:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 04:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 04:23	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 22:37	SMC	EET MID

Client Sample ID: T-16 (3')
Lab Sample ID: 880-43257-92
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	80322	05/10/24 07:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 07:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 04:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 04:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 22:44	SMC	EET MID

Client Sample ID: T-16 (4')
Lab Sample ID: 880-43257-93
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 04:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 04:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 05:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 05:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 22:50	SMC	EET MID

Client Sample ID: T-17 (0-1')
Lab Sample ID: 880-43257-94
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 04:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 04:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-17 (0-1')

Lab Sample ID: 880-43257-94
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			80389	05/12/24 05:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 05:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 22:56	SMC	EET MID

Client Sample ID: T-17 (1.5')

Lab Sample ID: 880-43257-95
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 05:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 05:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 05:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 05:45	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 23:02	SMC	EET MID

Client Sample ID: T-17 (2')

Lab Sample ID: 880-43257-96
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 05:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 05:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 06:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 06:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 23:09	SMC	EET MID

Client Sample ID: T-17 (3')

Lab Sample ID: 880-43257-97
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 05:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 05:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 06:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 06:46	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-17 (3')

Lab Sample ID: 880-43257-97
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80298	05/08/24 16:56	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80355	05/09/24 23:15	SMC	EET MID

Client Sample ID: T-17 (4')

Lab Sample ID: 880-43257-98
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 06:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 06:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 07:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 07:07	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 16:44	SMC	EET MID

Client Sample ID: T-18 (0-1')

Lab Sample ID: 880-43257-99
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 06:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 06:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 07:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 07:28	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80356	05/09/24 17:03	SMC	EET MID

Client Sample ID: T-18 (1.5')

Lab Sample ID: 880-43257-100
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80358	05/09/24 13:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80322	05/10/24 06:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 06:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 07:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 07:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80356	05/09/24 17:09	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-18 (2')
Lab Sample ID: 880-43257-101
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80364	05/09/24 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80367	05/09/24 17:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 17:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 08:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 08:08	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 17:16	SMC	EET MID

Client Sample ID: T-18 (3')
Lab Sample ID: 880-43257-102
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80364	05/09/24 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80367	05/09/24 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 17:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 08:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 08:29	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 17:22	SMC	EET MID

Client Sample ID: T-18 (4')
Lab Sample ID: 880-43257-103
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80364	05/09/24 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80367	05/09/24 17:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 17:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 08:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 08:49	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 17:41	SMC	EET MID

Client Sample ID: T-19 (0-1')
Lab Sample ID: 880-43257-104
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80364	05/09/24 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80367	05/09/24 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 18:19	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-19 (0-1')

Lab Sample ID: 880-43257-104
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			80389	05/12/24 09:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 09:10	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80356	05/09/24 17:47	SMC	EET MID

Client Sample ID: T-19 (1.5')

Lab Sample ID: 880-43257-105
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80364	05/09/24 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80367	05/09/24 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 18:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 09:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 09:43	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 17:54	SMC	EET MID

Client Sample ID: T-19 (2')

Lab Sample ID: 880-43257-106
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80364	05/09/24 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80367	05/09/24 19:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 19:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 10:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80284	05/08/24 16:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80520	05/12/24 10:04	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 18:00	SMC	EET MID

Client Sample ID: T-19 (3')

Lab Sample ID: 880-43257-107
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80364	05/09/24 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80367	05/09/24 19:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 19:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 11:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 11:05	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-19 (3')
Lab Sample ID: 880-43257-107

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 18:06	SMC	EET MID

Client Sample ID: T-19 (4')
Lab Sample ID: 880-43257-108

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80364	05/09/24 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80367	05/09/24 19:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 19:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 12:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 12:06	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 18:13	SMC	EET MID

Client Sample ID: T-20 (0-1')
Lab Sample ID: 880-43257-109

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80364	05/09/24 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80367	05/09/24 20:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 20:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 12:26	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 18:31	SMC	EET MID

Client Sample ID: T-20 (1.5')
Lab Sample ID: 880-43257-110

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80364	05/09/24 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80367	05/09/24 20:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 20:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 12:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 12:46	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 18:38	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

Client Sample ID: T-20 (2')
Lab Sample ID: 880-43257-111
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80419	05/10/24 08:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80408	05/10/24 14:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 14:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 10:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 10:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 18:57	SMC	EET MID

Client Sample ID: T-20 (3')
Lab Sample ID: 880-43257-112
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80419	05/10/24 08:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80408	05/10/24 15:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 15:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 19:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 19:31	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 19:03	SMC	EET MID

Client Sample ID: T-20 (4')
Lab Sample ID: 880-43257-113
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80419	05/10/24 08:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80408	05/10/24 15:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 15:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 19:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 19:51	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 19:09	SMC	EET MID

Client Sample ID: T-21 (0-1')
Lab Sample ID: 880-43257-114
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80419	05/10/24 08:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80408	05/10/24 16:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 16:14	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-21 (0-1')

Lab Sample ID: 880-43257-114
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			80389	05/11/24 20:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 20:11	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80356	05/09/24 19:15	SMC	EET MID

Client Sample ID: T-21 (1.5')

Lab Sample ID: 880-43257-115
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80419	05/10/24 08:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80408	05/10/24 16:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 16:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 20:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 20:32	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 19:22	SMC	EET MID

Client Sample ID: T-21 (2')

Lab Sample ID: 880-43257-116
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80419	05/10/24 08:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80408	05/10/24 16:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 16:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 20:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 20:53	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 19:28	SMC	EET MID

Client Sample ID: T-21 (3')

Lab Sample ID: 880-43257-117
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80419	05/10/24 08:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80408	05/10/24 17:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 21:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 21:33	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-21 (3')
Lab Sample ID: 880-43257-117

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	80299	05/08/24 16:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80356	05/09/24 19:34	SMC	EET MID

Client Sample ID: T-21 (4')
Lab Sample ID: 880-43257-118

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80419	05/10/24 08:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80408	05/10/24 17:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 17:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 21:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 21:53	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 03:46	SMC	EET MID

Client Sample ID: T-22 (0-1')
Lab Sample ID: 880-43257-119

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80419	05/10/24 08:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80408	05/10/24 17:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 17:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 22:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 22:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 04:05	SMC	EET MID

Client Sample ID: T-22 (1.5')
Lab Sample ID: 880-43257-120

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80419	05/10/24 08:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80408	05/10/24 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 18:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 22:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 22:34	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 04:11	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-22 (2')
Lab Sample ID: 880-43257-121
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 22:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 22:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 22:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 22:54	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 04:18	SMC	EET MID

Client Sample ID: T-22 (3')
Lab Sample ID: 880-43257-122
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 23:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 23:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 23:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 23:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 04:24	SMC	EET MID

Client Sample ID: T-22 (4')
Lab Sample ID: 880-43257-123
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 23:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 23:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/11/24 23:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 23:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 04:43	SMC	EET MID

Client Sample ID: T-23 (0-1')
Lab Sample ID: 880-43257-124
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 23:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 23:50	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

Client Sample ID: T-23 (0-1')
Lab Sample ID: 880-43257-124
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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			80389	05/11/24 23:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/11/24 23:56	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 04:49	SMC	EET MID

Client Sample ID: T-23 (1.5')
Lab Sample ID: 880-43257-125
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 00:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 00:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 00:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 00:16	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 04:55	SMC	EET MID

Client Sample ID: T-23 (2')
Lab Sample ID: 880-43257-126
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 00:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 00:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	80282	05/08/24 16:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 00:38	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 05:02	SMC	EET MID

Client Sample ID: T-23 (3')
Lab Sample ID: 880-43257-127
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 00:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 00:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 02:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 02:21	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-23 (3')
Lab Sample ID: 880-43257-127

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 05:08	SMC	EET MID

Client Sample ID: T-23 (4')
Lab Sample ID: 880-43257-128

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 01:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 01:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 03:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 03:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 05:14	SMC	EET MID

Client Sample ID: T-24 (0-1')
Lab Sample ID: 880-43257-129

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 01:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 01:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 03:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 03:42	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 05:33	SMC	EET MID

Client Sample ID: T-24 (1.5')
Lab Sample ID: 880-43257-130

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 01:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 01:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 04:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 04:02	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 05:39	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

Client Sample ID: T-24 (2')
Lab Sample ID: 880-43257-131
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 03:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 03:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 04:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 04:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 05:59	SMC	EET MID

Client Sample ID: T-24 (3')
Lab Sample ID: 880-43257-132
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 03:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 03:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 04:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 04:43	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 06:05	SMC	EET MID

Client Sample ID: T-24 (4')
Lab Sample ID: 880-43257-133
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 03:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 03:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 05:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 05:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 06:11	SMC	EET MID

Client Sample ID: T-25 (0-1')
Lab Sample ID: 880-43257-134
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 04:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 04:17	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-25 (0-1')

Lab Sample ID: 880-43257-134
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			80389	05/12/24 05:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 05:24	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 06:17	SMC	EET MID

Client Sample ID: T-25 (1.5')

Lab Sample ID: 880-43257-135
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 04:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 04:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 05:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 05:45	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 06:24	SMC	EET MID

Client Sample ID: T-25 (2')

Lab Sample ID: 880-43257-136
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 04:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 04:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 06:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 06:06	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 06:30	SMC	EET MID

Client Sample ID: T-25 (3')

Lab Sample ID: 880-43257-137
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 05:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 05:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 06:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 06:46	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-25 (3')
Lab Sample ID: 880-43257-137
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80302	05/08/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80357	05/10/24 06:36	SMC	EET MID

Client Sample ID: T-25 (4')
Lab Sample ID: 880-43257-138
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 05:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 05:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 07:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 07:07	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80303	05/08/24 17:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80362	05/09/24 14:18	SMC	EET MID

Client Sample ID: T-26 (0-1')
Lab Sample ID: 880-43257-139
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 06:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 06:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 07:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 07:28	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80303	05/08/24 17:01	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80362	05/09/24 14:36	SMC	EET MID

Client Sample ID: T-26 (1.5')
Lab Sample ID: 880-43257-140
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80365	05/09/24 13:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/10/24 06:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 06:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 07:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 07:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	80303	05/08/24 17:01	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80362	05/09/24 14:42	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Client Sample ID: T-26 (2')
Lab Sample ID: 880-43257-141
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80368	05/09/24 14:10	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80319	05/09/24 23:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 23:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 08:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 08:08	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80303	05/08/24 17:01	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80362	05/09/24 14:49	SMC	EET MID

Client Sample ID: T-26 (3')
Lab Sample ID: 880-43257-142
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80368	05/09/24 14:10	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80319	05/09/24 23:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/09/24 23:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 08:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 08:29	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80303	05/08/24 17:01	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80362	05/09/24 14:55	SMC	EET MID

Client Sample ID: T-27 (0-1')
Lab Sample ID: 880-43257-143
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80368	05/09/24 14:10	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80319	05/10/24 00:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 00:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 08:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 08:49	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80303	05/08/24 17:01	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80362	05/09/24 15:13	SMC	EET MID

Client Sample ID: T-28 (0-1')
Lab Sample ID: 880-43257-144
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80368	05/09/24 14:10	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80319	05/10/24 00:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 00:41	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

Client Sample ID: T-28 (0-1')
Lab Sample ID: 880-43257-144
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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			80389	05/12/24 09:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 09:10	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80303	05/08/24 17:01	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80362	05/09/24 15:19	SMC	EET MID

Client Sample ID: T-29 (0-1')
Lab Sample ID: 880-43257-145
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80368	05/09/24 14:10	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80319	05/10/24 01:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80465	05/10/24 01:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			80389	05/12/24 09:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80281	05/08/24 16:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80522	05/12/24 09:43	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80303	05/08/24 17:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80362	05/09/24 15:25	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
Job ID: 880-43257-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-43257-1	T-1 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-2	T-1 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-3	T-1 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-4	T-1 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-5	T-1 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-6	T-1 (5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-7	T-2 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-8	T-2 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-9	T-2 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-10	T-2 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-11	T-2 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-12	T-3 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-13	T-3 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-14	T-3 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-15	T-3 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-16	T-3 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-17	T-4 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-18	T-4 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-19	T-4 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-20	T-4 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-21	T-4 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-22	T-5 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-23	T-5 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-24	T-5 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-25	T-5 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-26	T-5 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-27	T-6 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-28	T-6 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-29	T-6 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-30	T-6 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-31	T-6 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-32	T-6 (5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-33	T-6 (6')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-34	T-7 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-35	T-7 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-36	T-7 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-37	T-7 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-38	T-7 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-39	T-8 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-40	T-8 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-41	T-8 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-42	T-8 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-43	T-8 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-44	T-8 (5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-45	T-9 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-46	T-9 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-47	T-9 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-48	T-9 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-49	T-9 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-50	T-9 (5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-51	T-9 (6')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-52	T-10 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-53	T-10 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-54	T-10 (2')	Solid	05/07/24 00:00	05/08/24 14:55

Sample Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-43257-55	T-10 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-56	T-10 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-57	T-11 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-58	T-11 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-59	T-11 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-60	T-11 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-61	T-11 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-62	T-11 (5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-63	T-11 (6')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-64	T-11 (7')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-65	T-11 (8')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-66	T-12 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-67	T-12 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-68	T-12 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-69	T-12 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-70	T-12 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-71	T-12 (5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-72	T-12 (6')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-73	T-12 (7')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-74	T-13 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-75	T-13 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-76	T-13 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-77	T-13 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-78	T-13 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-79	T-14 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-80	T-14 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-81	T-14 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-82	T-14 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-83	T-14 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-84	T-15 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-85	T-15 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-86	T-15 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-87	T-15 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-88	T-15 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-89	T-16 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-90	T-16 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-91	T-16 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-92	T-16 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-93	T-16 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-94	T-17 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-95	T-17 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-96	T-17 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-97	T-17 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-98	T-17 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-99	T-18 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-100	T-18 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-101	T-18 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-102	T-18 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-103	T-18 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-104	T-19 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-105	T-19 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-106	T-19 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-107	T-19 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-108	T-19 (4')	Solid	05/07/24 00:00	05/08/24 14:55

Sample Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43257-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-43257-109	T-20 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-110	T-20 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-111	T-20 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-112	T-20 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-113	T-20 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-114	T-21 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-115	T-21 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-116	T-21 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-117	T-21 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-118	T-21 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-119	T-22 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-120	T-22 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-121	T-22 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-122	T-22 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-123	T-22 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-124	T-23 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-125	T-23 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-126	T-23 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-127	T-23 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-128	T-23 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-129	T-24 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-130	T-24 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-131	T-24 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-132	T-24 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-133	T-24 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-134	T-25 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-135	T-25 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-136	T-25 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-137	T-25 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-138	T-25 (4')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-139	T-26 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-140	T-26 (1.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-141	T-26 (2')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-142	T-26 (3')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-143	T-27 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-144	T-28 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55
880-43257-145	T-29 (0-1')	Solid	05/07/24 00:00	05/08/24 14:55

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5/14/2024

880-43257 Chain of Custody

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Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around	
Project Number	2350	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	JR & IR		
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	-1.0
Sample Custody Seals	Yes No N/A	Temperature Reading	1.0
Total Containers		Corrected Temperature	0.9

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0
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')	5/7/2024		X		G	1		x	x	x
T-1 (3')	5/7/2024		X		G	1		x	x	x
T-1 (4')	5/7/2024		X		G	1		x	x	x
T-1 (5')	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')	5/7/2024		X		G	1		x	x	x
T-2 (3')	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

Comments. Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	5/8/24 1455		

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Received by OCD: 8/1/2024 9:02:10 AM

Released to Imaging: 8/21/2024 2:12:06 PM

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Work Order No: 43257

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	(432) 813-6823 Email		Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around	
Project Number	2350	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	JR & IR		
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	Sample Comments
T-2 (4')	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')	5/7/2024		X		G	1		x	x	x	
T-3 (3')	5/7/2024		X		G	1		x	x	x	
T-3 (4')	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')	5/7/2024		X		G	1		x	x	x	
T-4 (3')	5/7/2024		X		G	1		x	x	x	

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
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Work Order No: 43257

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around	
Project Number	2350	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	JR & IR		
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		

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
T-4 (4')	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')	5/7/2024		X		G	1		x	x	x
T-5 (3')	5/7/2024		X		G	1		x	x	x
T-5 (4')	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')	5/7/2024		X		G	1		x	x	x
T-6 (3')	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

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

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Work Order No: 43257

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Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name	Gem CTB Reuse Riser (12 09.23)	Turn Around	
Project Number	2350	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	JR & IR		
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		

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0														
T-6 (4')	5/7/2024		X		G	1			x	x	x														
T-6 (5')	5/7/2024		X		G	1			x	x	x														
T-6 (6')	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')	5/7/2024		X		G	1			x	x	x														
T-7 (3')	5/7/2024		X		G	1			x	x	x														
T-7 (4')	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														

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

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

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Work Order No: 43257

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around	
Project Number	2350	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	JR & IR		
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		

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 Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
T-8 (2')	5/7/2024		X		G	1	x	x	x	
T-8 (3')	5/7/2024		X		G	1	x	x	x	
T-8 (4')	5/7/2024		X		G	1	x	x	x	
T-8 -(5')	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')	5/7/2024		X		G	1	x	x	x	
T-9 (3')	5/7/2024		X		G	1	x	x	x	
T-9 (4')	5/7/2024		X		G	1	x	x	x	
T-9 (5')	5/7/2024		X		G	1	x	x	x	

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

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Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program. UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around	
Project Number	2350	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	JR & IR		
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	Sample Comments
T-9 (6')	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')	5/7/2024		X		G	1		x	x	x	
T-10 (3')	5/7/2024		X		G	1		x	x	x	
T-10 (4')	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')	5/7/2024		X		G	1		x	x	x	
T-11 (3')	5/7/2024		X		G	1		x	x	x	

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

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Work Order No: 43257

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland TX 79701	City State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around	
Project Number	2350	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	JR & IR		
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	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
T-11 (4')	5/7/2024		X		G	1	x	x	x	
T-11 (5')	5/7/2024		X		G	1	x	x	x	
T-11 (6')	5/7/2024		X		G	1	x	x	x	
T-11 (7')	5/7/2024		X		G	1	x	x	x	
T-11 (8')	5/7/2024		X		G	1	x	x	x	
T-12 (0-1')	5/7/2024		X		G	1	x	x	x	
T-12 (1 5')	5/7/2024		X		G	1	x	x	x	
T-12 (2')	5/7/2024		X		G	1	x	x	x	
T-12 (3')	5/7/2024		X		G	1	x	x	x	
T-12 (4')	5/7/2024		X		G	1	x	x	x	

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

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Work Order No: 43257

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around		Pres. Code	
Project Number	2350	☑ Routine	☐ Rush		
Project Location	Lea County, New Mexico	Due Date	Standard		
Sampler's Name	JR & IR				
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		

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 Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
T-12 (5')	5/7/2024		X		G	1	x	x	x	
T-12 (6')	5/7/2024		X		G	1	x	x	x	
T-12 (7')	5/7/2024		X		G	1	x	x	x	
T-13 (0-1')	5/7/2024		X		G	1	x	x	x	
T-13 (1 5')	5/7/2024		X		G	1	x	x	x	
T-13 (2')	5/7/2024		X		G	1	x	x	x	
T-13 (3')	5/7/2024		X		G	1	x	x	x	
T-13 (4')	5/7/2024		X		G	1	x	x	x	
T-14 (0-1')	5/7/2024		X		G	1	x	x	x	
T-14 (1 5')	5/7/2024		X		G	1	x	x	x	

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

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Work Order No: 43257

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City State ZIP	Midland, TX 79701	City State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around		Pres. Code	
Project Number	2350	☑ Routine	☐ Rush		
Project Location	Lea County, New Mexico	Due Date	Standard		
Sampler's Name	JR & IR				
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	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
T-14 (2')	5/7/2024		X		G	1		x	x	x
T-14 (3')	5/7/2024		X		G	1		x	x	x
T-14 (4')	5/7/2024		X		G	1		x	x	x
T-15 (0-1')	5/7/2024		X		G	1		x	x	x
T-15 (1 5')	5/7/2024		X		G	1		x	x	x
T-15 (2')	5/7/2024		X		G	1		x	x	x
T-15 (3')	5/7/2024		X		G	1		x	x	x
T-15 (4')	5/7/2024		X		G	1		x	x	x
T-16 (0-1')	5/7/2024		X		G	1		x	x	x
T-16 (1 5')	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_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 Comments

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

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Work Order No: 43257

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name:	EOG Resources
Address	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland Tx 79706
Phone	(432) 813-6823 Email		Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around		Pres. Code	
Project Number	2350	☑ Routine	☐ Rush		
Project Location	Lea County, New Mexico	Due Date:	Standard		
Sampler's Name	JR & IR				
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	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
T-16 (2')	5/7/2024		X		G	1	x	x	x
T-16 (3')	5/7/2024		X		G	1	x	x	x
T-16 (4')	5/7/2024		X		G	1	x	x	x
T-17 (0-1')	5/7/2024		X		G	1	x	x	x
T-17 (1 5')	5/7/2024		X		G	1	x	x	x
T-17 (2')	5/7/2024		X		G	1	x	x	x
T-17 (3')	5/7/2024		X		G	1	x	x	x
T-17 (4')	5/7/2024		X		G	1	x	x	x
T-18 (0-1')	5/7/2024		X		G	1	x	x	x
T-18 (1 5')	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_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 Comments

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

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	5/8/24 1455		

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Work Order No: 43257

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Gem CTB Reuse Riser (12 09.23)	Turn Around	
Project Number	2350	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	JR & IR		
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	Sample Comments
T-18 (2')	5/7/2024		X		G	1		x	x	x	
T-18 (3')	5/7/2024		X		G	1		x	x	x	
T-18 (4')	5/7/2024		X		G	1		x	x	x	
T-19 (0-1')	5/7/2024		X		G	1		x	x	x	
T-19 (1.5')	5/7/2024		X		G	1		x	x	x	
T-19 (2')	5/7/2024		X		G	1		x	x	x	
T-19 (3')	5/7/2024		X		G	1		x	x	x	
T-19 (4')	5/7/2024		X		G	1		x	x	x	
T-20 (0-1')	5/7/2024		X		G	1		x	x	x	
T-20 (1 5')	5/7/2024		X		G	1		x	x	x	

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

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Work Order No: 43257

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City State ZIP	Midland, TX 79701	City, State ZIP	Midland Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around	
Project Number	2350	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	JR & IR		
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	Sample Comments
T-20 (2')	5/7/2024		X		G	1		x	x	x	
T-20 (3')	5/7/2024		X		G	1		x	x	x	
T-20 (4')	5/7/2024		X		G	1		x	x	x	
T-21 (0-1')	5/7/2024		X		G	1		x	x	x	
T-21 (1 5')	5/7/2024		X		G	1		x	x	x	
T-21 (2')	5/7/2024		X		G	1		x	x	x	
T-21 (3')	5/7/2024		X		G	1		x	x	x	
T-21 (4')	5/7/2024		X		G	1		x	x	x	
T-22 (0-1')	5/7/2024		X		G	1		x	x	x	
T-22 (1 5')	5/7/2024		X		G	1		x	x	x	

Comments. Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

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Work Order No: 43257

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around	
Project Number	2350	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	JR & IR		
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	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
T-22 (2')	5/7/2024		X		G	1	x	x	x	
T-22 (3')	5/7/2024		X		G	1	x	x	x	
T-22 (4')	5/7/2024		X		G	1	x	x	x	
T-23 (0-1')	5/7/2024		X		G	1	x	x	x	
T-23 (1 5')	5/7/2024		X		G	1	x	x	x	
T-23 (2')	5/7/2024		X		G	1	x	x	x	
T-23 (3')	5/7/2024		X		G	1	x	x	x	
T-23 (4')	5/7/2024		X		G	1	x	x	x	
T-24 (0-1')	5/7/2024		X		G	1	x	x	x	
T-24 (1 5')	5/7/2024		X		G	1	x	x	x	

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

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Work Order No: 43257

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around	
Project Number	2350	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	JR & IR		
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	Sample Comments
T-24 (2')	5/7/2024		X		G	1		x	x	x	
T-24 (3')	5/7/2024		X		G	1		x	x	x	
T-24 (4')	5/7/2024		X		G	1		x	x	x	
T-25 (0-1')	5/7/2024		X		G	1		x	x	x	
T-25 (1.5')	5/7/2024		X		G	1		x	x	x	
T-25 (2')	5/7/2024		X		G	1		x	x	x	
T-25 (3')	5/7/2024		X		G	1		x	x	x	
T-25 (4')	5/7/2024		X		G	1		x	x	x	
T-26 (0-1')	5/7/2024		X		G	1		x	x	x	
T-26 (1.5')	5/7/2024		X		G	1		x	x	x	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
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Work Order No: 43257

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around	
Project Number	2350	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	JR & IR		
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	Sample Comments
T-26 (2')	5/7/2024		X		G	1		x	x	x	
T-26 (3')	5/7/2024		X		G	1		x	x	x	
T-27 (0-1')	5/7/2024		X		G	1		x	x	x	
T-28 (0-1')	5/7/2024		X		G	1		x	x	x	
T-29 (0-1')	5/7/2024		X		G	1		x	x	x	

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	5/8/24 1455		

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-43257-1
SDG Number: Lea County, New Mexico

Login Number: 43257
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: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

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JOB DESCRIPTION

Gem CTB Reuse Riser (12.09.23)
Lea County, New Mexico

JOB NUMBER

880-43254-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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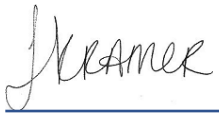
Eurofins Midland

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



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

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Laboratory Job ID: 880-43254-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Qualifiers

GC 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.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, 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: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1

Job ID: 880-43254-1 Eurofins Midland

Job Narrative
880-43254-1

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 2:55 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 0.9°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-43254-1), H-2 (0-0.5') (880-43254-2), H-3 (0-0.5') (880-43254-3), H-4 (0-0.5') (880-43254-4), H-5 (0-0.5') (880-43254-5), H-6 (0-0.5') (880-43254-6), H-7 (0-0.5') (880-43254-7), H-8 (0-0.5') (880-43254-8), H-9 (0-0.5') (880-43254-9), H-10 (0-0.5') (880-43254-10), H-11 (0-0.5') (880-43254-11), H-12 (0-0.5') (880-43254-12), H-13 (0-0.5') (880-43254-13), H-14 (0-0.5') (880-43254-14), H-15 (0-0.5') (880-43254-15), H-16 (0-0.5') (880-43254-16), H-17 (0-0.5') (880-43254-17), H-18 (0-0.5') (880-43254-18), H-19 (0-0.5') (880-43254-19), H-20 (0-0.5') (880-43254-20), H-21 (0-0.5') (880-43254-21), H-22 (0-0.5') (880-43254-22), H-23 (0-0.5') (880-43254-23), H-24 (0-0.5') (880-43254-24), H-25 (0-0.5') (880-43254-25), H-26 (0-0.5') (880-43254-26), H-27 (0-0.5') (880-43254-27), H-28 (0-0.5') (880-43254-28), H-29 (0-0.5') (880-43254-29), H-30 (0-0.5') (880-43254-30), H-31 (0-0.5') (880-43254-31), H-32 (0-0.5') (880-43254-32), H-33 (0-0.5') (880-43254-33) and H-34 (0-0.5') (880-43254-34).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-80275 and analytical batch 880-80210 was outside the upper control limits.

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: 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: The continuing calibration verification (CCV) associated with batch 880-80323 recovered under the lower control limit for Benzene and Toluene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: H-22 (0-0.5') (880-43254-22). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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 samples were outside the upper control limit: H-1 (0-0.5') (880-43254-1), H-2 (0-0.5') (880-43254-2), H-7 (0-0.5') (880-43254-7), H-10 (0-0.5') (880-43254-10), H-12 (0-0.5') (880-43254-12), H-13 (0-0.5') (880-43254-13), H-14 (0-0.5') (880-43254-14), H-15 (0-0.5') (880-43254-15) and H-16 (0-0.5') (880-43254-16). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Eurofins Midland

Case Narrative

Client: Carmona Resources Job ID: 880-43254-1
Project: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1 (Continued) Eurofins Midland

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-80292 and analytical batch 880-80525 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-80525 recovered below the lower control limit for 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 880-80525/47).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: H-28 (0-0.5') (880-43254-28). This sample did not contain any target analytes; 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 880-80296 and analytical batch 880-80414 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: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43254-1
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 15:25	05/08/24 23:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/08/24 15:25	05/08/24 23:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/08/24 15:25	05/08/24 23:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/08/24 15:25	05/08/24 23:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/08/24 15:25	05/08/24 23:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/08/24 15:25	05/08/24 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/08/24 15:25*	*05/08/24 23:35*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/08/24 15:25*	*05/08/24 23:35*	*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			05/08/24 23:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/11/24 11:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	50.0		mg/Kg		05/08/24 16:49	05/11/24 11:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		05/08/24 16:49	05/11/24 11:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:49	05/11/24 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/08/24 16:49*	*05/11/24 11:11*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*05/08/24 16:49*	*05/11/24 11:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.1**		5.04		mg/Kg			05/10/24 21:16	1

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

Lab Sample ID: 880-43254-2
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00396**		0.00200		mg/Kg		05/08/24 15:25	05/08/24 23:56	1
Toluene	**0.00237**		0.00200		mg/Kg		05/08/24 15:25	05/08/24 23:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/08/24 23:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/08/24 15:25	05/08/24 23:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/08/24 23:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/08/24 15:25	05/08/24 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/08/24 15:25*	*05/08/24 23:56*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/08/24 15:25*	*05/08/24 23:56*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43254-2
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00633**		0.00401		mg/Kg			05/08/24 23:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/11/24 12:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 12:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 12:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*05/08/24 16:49*	*05/11/24 12:07*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*05/08/24 16:49*	*05/11/24 12:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.16**		4.98		mg/Kg			05/10/24 21:22	1

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

Lab Sample ID: 880-43254-3
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00604**		0.00200		mg/Kg		05/08/24 15:25	05/09/24 00:16	1
Toluene	**0.00339**		0.00200		mg/Kg		05/08/24 15:25	05/09/24 00:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 00:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/08/24 15:25	05/09/24 00:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 00:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/08/24 15:25	05/09/24 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/08/24 15:25*	*05/09/24 00:16*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/08/24 15:25*	*05/09/24 00:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00943**		0.00399		mg/Kg			05/09/24 00:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/11/24 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	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 12:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 12:26	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43254-3
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 16:49	05/11/24 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/08/24 16:49*	*05/11/24 12:26*	*1*
o-Terphenyl	*125*		*70 - 130*	*05/08/24 16:49*	*05/11/24 12:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.7**		5.02		mg/Kg			05/10/24 21:41	1

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

Lab Sample ID: 880-43254-4
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00457**		0.00199		mg/Kg		05/08/24 15:25	05/09/24 00:37	1
Toluene	**0.00237**		0.00199		mg/Kg		05/08/24 15:25	05/09/24 00:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 00:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 00:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 00:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/08/24 15:25*	*05/09/24 00:37*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/08/24 15:25*	*05/09/24 00:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00694**		0.00398		mg/Kg			05/09/24 00:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/11/24 12:45	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	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 12:45	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 12:45	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*05/08/24 16:49*	*05/11/24 12:45*	*1*
o-Terphenyl	*126*		*70 - 130*	*05/08/24 16:49*	*05/11/24 12:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.07**		4.99		mg/Kg			05/10/24 21:47	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43254-5
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 15:25	05/09/24 00:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:25	05/09/24 00:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:25	05/09/24 00:57	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/08/24 15:25	05/09/24 00:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:25	05/09/24 00:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/08/24 15:25	05/09/24 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*05/08/24 15:25*	*05/09/24 00:57*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/08/24 15:25*	*05/09/24 00:57*	*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			05/09/24 00:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/12/24 08:31	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	<49.6	U	49.6		mg/Kg		05/08/24 16:49	05/12/24 08:31	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:49	05/12/24 08:31	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:49	05/12/24 08:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*05/08/24 16:49*	*05/12/24 08:31*	*1*
o-Terphenyl	*127*		*70 - 130*	*05/08/24 16:49*	*05/12/24 08:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.2**		5.02		mg/Kg			05/10/24 22:06	1

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

Lab Sample ID: 880-43254-6
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 15:25	05/09/24 01:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 01:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 01:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 01:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 01:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/08/24 15:25*	*05/09/24 01:18*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/08/24 15:25*	*05/09/24 01:18*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43254-6
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 01:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/11/24 19:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/08/24 16:49	05/11/24 19:32	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:49	05/11/24 19:32	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:49	05/11/24 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*05/08/24 16:49*	*05/11/24 19:32*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/08/24 16:49*	*05/11/24 19:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.15**		4.97		mg/Kg			05/10/24 22:12	1

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

Lab Sample ID: 880-43254-7
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 15:25	05/09/24 01:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 01:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 01:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/08/24 15:25	05/09/24 01:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 01:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/08/24 15:25	05/09/24 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/08/24 15:25*	*05/09/24 01:38*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/08/24 15:25*	*05/09/24 01:38*	*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			05/09/24 01:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			05/11/24 19:51	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	<49.5	U	49.5		mg/Kg		05/08/24 16:49	05/11/24 19:51	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		05/08/24 16:49	05/11/24 19:51	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43254-7
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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)	<49.5	U	49.5		mg/Kg		05/08/24 16:49	05/11/24 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*05/08/24 16:49*	*05/11/24 19:51*	*1*
o-Terphenyl	*150*	*S1+*	*70 - 130*	*05/08/24 16:49*	*05/11/24 19:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.89**		5.02		mg/Kg			05/10/24 22:19	1

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

Lab Sample ID: 880-43254-8
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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 15:25	05/09/24 01:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/08/24 15:25	05/09/24 01:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/08/24 15:25	05/09/24 01:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/08/24 15:25	05/09/24 01:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/08/24 15:25	05/09/24 01:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/08/24 15:25	05/09/24 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*05/08/24 15:25*	*05/09/24 01:58*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/08/24 15:25*	*05/09/24 01:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/09/24 01:58	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			05/11/24 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/08/24 16:49	05/11/24 20:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:49	05/11/24 20:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:49	05/11/24 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*05/08/24 16:49*	*05/11/24 20:10*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/08/24 16:49*	*05/11/24 20:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.97**		4.99		mg/Kg			05/10/24 22:25	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43254-9
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 15:25	05/09/24 02:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:25	05/09/24 02:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:25	05/09/24 02:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/08/24 15:25	05/09/24 02:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:25	05/09/24 02:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/08/24 15:25	05/09/24 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*05/08/24 15:25*	*05/09/24 02:19*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*05/08/24 15:25*	*05/09/24 02:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/09/24 02:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/11/24 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 20:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 20:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/08/24 16:49*	*05/11/24 20:29*	*1*
o-Terphenyl	*117*		*70 - 130*	*05/08/24 16:49*	*05/11/24 20:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.2**		5.02		mg/Kg			05/10/24 22:31	1

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

Lab Sample ID: 880-43254-10
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 15:25	05/09/24 02:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 02:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 02:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/08/24 15:25	05/09/24 02:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 02:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/08/24 15:25	05/09/24 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*05/08/24 15:25*	*05/09/24 02:39*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/08/24 15:25*	*05/09/24 02:39*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43254-10
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 02:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/11/24 20:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 20:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 20:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*05/08/24 16:49*	*05/11/24 20:49*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*05/08/24 16:49*	*05/11/24 20:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.4**		4.98		mg/Kg			05/10/24 22:38	1

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-43254-11
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00276**		0.00199		mg/Kg		05/08/24 15:25	05/09/24 04:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 04:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 04:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 04:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 04:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/08/24 15:25*	*05/09/24 04:30*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/08/24 15:25*	*05/09/24 04:30*	*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			05/09/24 04:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/11/24 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		05/08/24 16:49	05/11/24 21:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 21:26	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-43254-11
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 16:49	05/11/24 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/08/24 16:49*	*05/11/24 21:26*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/08/24 16:49*	*05/11/24 21:26*	*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			05/10/24 22:44	1

Client Sample ID: H-12 (0-0.5')

Lab Sample ID: 880-43254-12
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00428**		0.00201		mg/Kg		05/08/24 15:25	05/09/24 04:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/08/24 15:25	05/09/24 04:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/08/24 15:25	05/09/24 04:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/08/24 15:25	05/09/24 04:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/08/24 15:25	05/09/24 04:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/08/24 15:25	05/09/24 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/08/24 15:25*	*05/09/24 04:50*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/08/24 15:25*	*05/09/24 04:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00428**		0.00402		mg/Kg			05/09/24 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/11/24 21:47	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	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 21:47	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 21:47	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*05/08/24 16:49*	*05/11/24 21:47*	*1*
o-Terphenyl	*149*	*S1+*	*70 - 130*	*05/08/24 16:49*	*05/11/24 21:47*	*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			05/09/24 10:05	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-13 (0-0.5')

Lab Sample ID: 880-43254-13
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00557**		0.00202		mg/Kg		05/08/24 15:25	05/09/24 05:11	1
Toluene	**0.00230**		0.00202		mg/Kg		05/08/24 15:25	05/09/24 05:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:25	05/09/24 05:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/08/24 15:25	05/09/24 05:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:25	05/09/24 05:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/08/24 15:25	05/09/24 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/08/24 15:25*	*05/09/24 05:11*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/08/24 15:25*	*05/09/24 05:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00787**		0.00404		mg/Kg			05/09/24 05:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/11/24 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	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 22:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 22:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/08/24 16:49*	*05/11/24 22:05*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*05/08/24 16:49*	*05/11/24 22:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.0**		5.00		mg/Kg			05/09/24 10:21	1

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-43254-14
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 15:25	05/09/24 05:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 05:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 05:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 05:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 05:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*05/08/24 15:25*	*05/09/24 05:31*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/08/24 15:25*	*05/09/24 05:31*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-43254-14
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 05:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/11/24 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	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 22:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 22:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/11/24 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/08/24 16:49*	*05/11/24 22:24*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*05/08/24 16:49*	*05/11/24 22:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.62**		4.97		mg/Kg			05/09/24 10:27	1

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-43254-15
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00355**		0.00200		mg/Kg		05/08/24 15:25	05/09/24 05:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 05:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 05:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/08/24 15:25	05/09/24 05:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 05:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/08/24 15:25	05/09/24 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/08/24 15:25*	*05/09/24 05:51*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/08/24 15:25*	*05/09/24 05:51*	*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			05/09/24 05:51	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			05/11/24 22:45	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	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 22:45	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 22:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-43254-15
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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		05/08/24 16:49	05/11/24 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/08/24 16:49*	*05/11/24 22:45*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*05/08/24 16:49*	*05/11/24 22:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.69**		5.02		mg/Kg			05/09/24 10:32	1

Client Sample ID: H-16 (0-0.5')

Lab Sample ID: 880-43254-16
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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 15:25	05/09/24 06:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 06:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 06:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 06:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 06:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*05/08/24 15:25*	*05/09/24 06:12*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/08/24 15:25*	*05/09/24 06:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/09/24 06:12	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			05/11/24 23:04	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	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 23:04	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 23:04	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:49	05/11/24 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/08/24 16:49*	*05/11/24 23:04*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*05/08/24 16:49*	*05/11/24 23:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.5**		4.99		mg/Kg			05/09/24 10:38	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-17 (0-0.5')

Lab Sample ID: 880-43254-17
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00436**		0.00200		mg/Kg		05/08/24 15:25	05/09/24 06:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 06:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 06:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/08/24 15:25	05/09/24 06:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 06:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/08/24 15:25	05/09/24 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/08/24 15:25*	*05/09/24 06:32*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/08/24 15:25*	*05/09/24 06:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00436**		0.00401		mg/Kg			05/09/24 06:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/11/24 23:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/08/24 16:49	05/11/24 23:23	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:49	05/11/24 23:23	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:49	05/11/24 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/08/24 16:49*	*05/11/24 23:23*	*1*
o-Terphenyl	*123*		*70 - 130*	*05/08/24 16:49*	*05/11/24 23:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.9**		4.98		mg/Kg			05/09/24 10:54	1

Client Sample ID: H-18 (0-0.5')

Lab Sample ID: 880-43254-18
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00260**		0.00199		mg/Kg		05/08/24 15:25	05/09/24 06:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 06:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 06:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 06:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 06:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/08/24 15:25*	*05/09/24 06:53*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/08/24 15:25*	*05/09/24 06:53*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-18 (0-0.5')

Lab Sample ID: 880-43254-18
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 06:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			05/11/24 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	<49.5	U	49.5		mg/Kg		05/08/24 16:49	05/11/24 23:42	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		05/08/24 16:49	05/11/24 23:42	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		05/08/24 16:49	05/11/24 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/08/24 16:49*	*05/11/24 23:42*	*1*
o-Terphenyl	*115*		*70 - 130*	*05/08/24 16:49*	*05/11/24 23:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		5.02		mg/Kg			05/09/24 11:00	1

Client Sample ID: H-19 (0-0.5')

Lab Sample ID: 880-43254-19
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 15:25	05/09/24 07:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 07:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 07:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/08/24 15:25	05/09/24 07:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/09/24 07:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/08/24 15:25	05/09/24 07:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*05/08/24 15:25*	*05/09/24 07:13*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/08/24 15:25*	*05/09/24 07:13*	*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			05/09/24 07:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/24 00:02	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		05/08/24 16:49	05/12/24 00:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:49	05/12/24 00:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-19 (0-0.5')

Lab Sample ID: 880-43254-19
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:49	05/12/24 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*05/08/24 16:49*	*05/12/24 00:02*	*1*
o-Terphenyl	*125*		*70 - 130*	*05/08/24 16:49*	*05/12/24 00:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.6**		4.97		mg/Kg			05/09/24 11:05	1

Client Sample ID: H-20 (0-0.5')

Lab Sample ID: 880-43254-20
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00345**		0.00199		mg/Kg		05/08/24 15:25	05/09/24 07:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 07:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 07:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 07:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:25	05/09/24 07:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/24 15:25	05/09/24 07:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*05/08/24 15:25*	*05/09/24 07:34*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/08/24 15:25*	*05/09/24 07:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/09/24 07:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/24 00:20	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	<49.9	U	49.9		mg/Kg		05/08/24 16:49	05/12/24 00:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/08/24 16:49	05/12/24 00:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/08/24 16:49	05/12/24 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/08/24 16:49*	*05/12/24 00:20*	*1*
o-Terphenyl	*123*		*70 - 130*	*05/08/24 16:49*	*05/12/24 00:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.0**		5.02		mg/Kg			05/09/24 11:10	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-21 (0-0.5')

Lab Sample ID: 880-43254-21
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00243**	**F1 F2**	0.00201		mg/Kg		05/08/24 15:28	05/09/24 11:47	1
Toluene	<0.00201	U F1 F2	0.00201		mg/Kg		05/08/24 15:28	05/09/24 11:47	1
Ethylbenzene	<0.00201	U F1 F2	0.00201		mg/Kg		05/08/24 15:28	05/09/24 11:47	1
m-Xylene & p-Xylene	<0.00402	U F1 F2	0.00402		mg/Kg		05/08/24 15:28	05/09/24 11:47	1
o-Xylene	<0.00201	U F1 F2	0.00201		mg/Kg		05/08/24 15:28	05/09/24 11:47	1
Xylenes, Total	<0.00402	U F1 F2	0.00402		mg/Kg		05/08/24 15:28	05/09/24 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/08/24 15:28*	*05/09/24 11:47*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/08/24 15:28*	*05/09/24 11:47*	*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			05/09/24 11:47	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			05/10/24 20:37	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		05/08/24 16:52	05/10/24 20:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		05/08/24 16:52	05/10/24 20:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:52	05/10/24 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/08/24 16:52*	*05/10/24 20:37*	*1*
o-Terphenyl	*122*		*70 - 130*	*05/08/24 16:52*	*05/10/24 20:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.68**		4.99		mg/Kg			05/09/24 11:16	1

Client Sample ID: H-22 (0-0.5')

Lab Sample ID: 880-43254-22
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+ *1	0.00202		mg/Kg		05/09/24 14:16	05/10/24 02:24	1
Toluene	<0.00202	U *+ *1	0.00202		mg/Kg		05/09/24 14:16	05/10/24 02:24	1
Ethylbenzene	<0.00202	U *+ *1	0.00202		mg/Kg		05/09/24 14:16	05/10/24 02:24	1
m-Xylene & p-Xylene	<0.00404	U *+ *1	0.00404		mg/Kg		05/09/24 14:16	05/10/24 02:24	1
o-Xylene	<0.00202	U *+ *1	0.00202		mg/Kg		05/09/24 14:16	05/10/24 02:24	1
Xylenes, Total	<0.00404	U *+ *1	0.00404		mg/Kg		05/09/24 14:16	05/10/24 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*05/09/24 14:16*	*05/10/24 02:24*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/09/24 14:16*	*05/10/24 02:24*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-22 (0-0.5')

Lab Sample ID: 880-43254-22
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/10/24 02:24	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			05/10/24 21:38	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		05/08/24 16:52	05/10/24 21:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:52	05/10/24 21:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:52	05/10/24 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*05/08/24 16:52*	*05/10/24 21:38*	*1*
o-Terphenyl	*112*		*70 - 130*	*05/08/24 16:52*	*05/10/24 21:38*	*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			05/09/24 11:21	1

Client Sample ID: H-23 (0-0.5')

Lab Sample ID: 880-43254-23
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 15:28	05/09/24 16:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:28	05/09/24 16:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:28	05/09/24 16:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/08/24 15:28	05/09/24 16:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:28	05/09/24 16:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/08/24 15:28	05/09/24 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/08/24 15:28*	*05/09/24 16:59*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/08/24 15:28*	*05/09/24 16:59*	*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			05/09/24 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/10/24 21:59	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		05/08/24 16:52	05/10/24 21:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:52	05/10/24 21:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-23 (0-0.5')

Lab Sample ID: 880-43254-23
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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 16:52	05/10/24 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/08/24 16:52*	*05/10/24 21:59*	*1*
o-Terphenyl	*114*		*70 - 130*	*05/08/24 16:52*	*05/10/24 21:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.47**		4.97		mg/Kg			05/09/24 11:37	1

Client Sample ID: H-24 (0-0.5')

Lab Sample ID: 880-43254-24
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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 15:28	05/09/24 17:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:28	05/09/24 17:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:28	05/09/24 17:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/24 15:28	05/09/24 17:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:28	05/09/24 17:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/24 15:28	05/09/24 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/08/24 15:28*	*05/09/24 17:20*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/08/24 15:28*	*05/09/24 17:20*	*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			05/09/24 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/10/24 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/08/24 16:52	05/10/24 22:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:52	05/10/24 22:19	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:52	05/10/24 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/08/24 16:52*	*05/10/24 22:19*	*1*
o-Terphenyl	*114*		*70 - 130*	*05/08/24 16:52*	*05/10/24 22:19*	*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			05/09/24 11:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-25 (0-0.5')

Lab Sample ID: 880-43254-25
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 15:28	05/09/24 17:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:28	05/09/24 17:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:28	05/09/24 17:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/08/24 15:28	05/09/24 17:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:28	05/09/24 17:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/08/24 15:28	05/09/24 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/08/24 15:28*	*05/09/24 17:40*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/08/24 15:28*	*05/09/24 17:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/09/24 17:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/10/24 22:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/08/24 16:52	05/10/24 22:41	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:52	05/10/24 22:41	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:52	05/10/24 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*05/08/24 16:52*	*05/10/24 22:41*	*1*
o-Terphenyl	*101*		*70 - 130*	*05/08/24 16:52*	*05/10/24 22:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.8**		4.99		mg/Kg			05/09/24 11:59	1

Client Sample ID: H-26 (0-0.5')

Lab Sample ID: 880-43254-26
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00320**		0.00199		mg/Kg		05/08/24 15:28	05/09/24 18:01	1
Toluene	**0.00218**		0.00199		mg/Kg		05/08/24 15:28	05/09/24 18:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:28	05/09/24 18:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/24 15:28	05/09/24 18:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:28	05/09/24 18:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/24 15:28	05/09/24 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/08/24 15:28*	*05/09/24 18:01*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/08/24 15:28*	*05/09/24 18:01*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-26 (0-0.5')

Lab Sample ID: 880-43254-26
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00538**		0.00398		mg/Kg			05/09/24 18:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/10/24 23:01	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	<49.6	U	49.6		mg/Kg		05/08/24 16:52	05/10/24 23:01	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:52	05/10/24 23:01	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:52	05/10/24 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*05/08/24 16:52*	*05/10/24 23:01*	*1*
o-Terphenyl	*98*		*70 - 130*	*05/08/24 16:52*	*05/10/24 23:01*	*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			05/09/24 12:05	1

Client Sample ID: H-27 (0-0.5')

Lab Sample ID: 880-43254-27
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 15:28	05/09/24 18:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:28	05/09/24 18:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:28	05/09/24 18:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/08/24 15:28	05/09/24 18:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:28	05/09/24 18:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/08/24 15:28	05/09/24 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/08/24 15:28*	*05/09/24 18:22*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/08/24 15:28*	*05/09/24 18:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/09/24 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/10/24 23:22	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	<50.0	U	50.0		mg/Kg		05/08/24 16:52	05/10/24 23:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:52	05/10/24 23:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-27 (0-0.5')

Lab Sample ID: 880-43254-27
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 16:52	05/10/24 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/08/24 16:52*	*05/10/24 23:22*	*1*
o-Terphenyl	*95*		*70 - 130*	*05/08/24 16:52*	*05/10/24 23:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.46**		4.97		mg/Kg			05/09/24 12:10	1

Client Sample ID: H-28 (0-0.5')

Lab Sample ID: 880-43254-28
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 15:28	05/09/24 19:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/08/24 15:28	05/09/24 19:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/08/24 15:28	05/09/24 19:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/08/24 15:28	05/09/24 19:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/08/24 15:28	05/09/24 19:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/08/24 15:28	05/09/24 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/08/24 15:28*	*05/09/24 19:03*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/08/24 15:28*	*05/09/24 19:03*	*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			05/09/24 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/10/24 23:43	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	<50.0	U	50.0		mg/Kg		05/08/24 16:52	05/10/24 23:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:52	05/10/24 23:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:52	05/10/24 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*05/08/24 16:52*	*05/10/24 23:43*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*05/08/24 16:52*	*05/10/24 23:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.6**		5.02		mg/Kg			05/09/24 12:15	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-29 (0-0.5')

Lab Sample ID: 880-43254-29
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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 15:28	05/09/24 18:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:28	05/09/24 18:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:28	05/09/24 18:42	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/08/24 15:28	05/09/24 18:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/08/24 15:28	05/09/24 18:42	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/08/24 15:28	05/09/24 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/08/24 15:28*	*05/09/24 18:42*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/08/24 15:28*	*05/09/24 18:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/09/24 18:42	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			05/11/24 00:04	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		05/08/24 16:52	05/11/24 00:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:52	05/11/24 00:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:52	05/11/24 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*05/08/24 16:52*	*05/11/24 00:04*	*1*
o-Terphenyl	*122*		*70 - 130*	*05/08/24 16:52*	*05/11/24 00:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.2**		5.00		mg/Kg			05/09/24 12:21	1

Client Sample ID: H-30 (0-0.5')

Lab Sample ID: 880-43254-30
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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		05/08/24 15:28	05/09/24 19:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:28	05/09/24 19:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:28	05/09/24 19:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/08/24 15:28	05/09/24 19:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:28	05/09/24 19:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/08/24 15:28	05/09/24 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/08/24 15:28*	*05/09/24 19:23*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/08/24 15:28*	*05/09/24 19:23*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-30 (0-0.5')

Lab Sample ID: 880-43254-30
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			05/09/24 19:23	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			05/11/24 00:24	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	<49.8	U	49.8		mg/Kg		05/08/24 16:52	05/11/24 00:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/08/24 16:52	05/11/24 00:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/08/24 16:52	05/11/24 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*05/08/24 16:52*	*05/11/24 00:24*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/08/24 16:52*	*05/11/24 00:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.81**		4.97		mg/Kg			05/09/24 12:26	1

Client Sample ID: H-31 (0-0.5')

Lab Sample ID: 880-43254-31
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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 15:28	05/09/24 19:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:28	05/09/24 19:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:28	05/09/24 19:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/24 15:28	05/09/24 19:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/24 15:28	05/09/24 19:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/24 15:28	05/09/24 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/08/24 15:28*	*05/09/24 19:44*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/08/24 15:28*	*05/09/24 19:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/09/24 19:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/11/24 01:04	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	<49.7	U	49.7		mg/Kg		05/08/24 16:52	05/11/24 01:04	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:52	05/11/24 01:04	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-31 (0-0.5')

Lab Sample ID: 880-43254-31
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/08/24 16:52	05/11/24 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/08/24 16:52*	*05/11/24 01:04*	*1*
o-Terphenyl	*120*		*70 - 130*	*05/08/24 16:52*	*05/11/24 01:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.3**		4.98		mg/Kg			05/09/24 12:32	1

Client Sample ID: H-32 (0-0.5')

Lab Sample ID: 880-43254-32
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 08:57	05/09/24 17:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/24 08:57	05/09/24 17:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/24 08:57	05/09/24 17:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/09/24 08:57	05/09/24 17:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/24 08:57	05/09/24 17:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/24 08:57	05/09/24 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/09/24 08:57*	*05/09/24 17:46*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/09/24 08:57*	*05/09/24 17:46*	*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			05/09/24 17:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/11/24 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		05/08/24 16:52	05/11/24 01:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/08/24 16:52	05/11/24 01:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/08/24 16:52	05/11/24 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/08/24 16:52*	*05/11/24 01:25*	*1*
o-Terphenyl	*112*		*70 - 130*	*05/08/24 16:52*	*05/11/24 01:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.2**		4.95		mg/Kg			05/09/24 10:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-33 (0-0.5')

Lab Sample ID: 880-43254-33
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 08:57	05/09/24 18:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/24 08:57	05/09/24 18:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/24 08:57	05/09/24 18:07	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/09/24 08:57	05/09/24 18:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/24 08:57	05/09/24 18:07	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/09/24 08:57	05/09/24 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*05/09/24 08:57*	*05/09/24 18:07*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/09/24 08:57*	*05/09/24 18:07*	*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			05/09/24 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/11/24 01:45	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	<49.6	U	49.6		mg/Kg		05/08/24 16:52	05/11/24 01:45	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:52	05/11/24 01:45	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:52	05/11/24 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*05/08/24 16:52*	*05/11/24 01:45*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/08/24 16:52*	*05/11/24 01:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.64**		5.00		mg/Kg			05/09/24 11:01	1

Client Sample ID: H-34 (0-0.5')

Lab Sample ID: 880-43254-34
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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		05/09/24 08:57	05/09/24 18:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/24 08:57	05/09/24 18:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/24 08:57	05/09/24 18:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/09/24 08:57	05/09/24 18:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/24 08:57	05/09/24 18:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/24 08:57	05/09/24 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/09/24 08:57*	*05/09/24 18:27*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/09/24 08:57*	*05/09/24 18:27*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-34 (0-0.5')

Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43254-34

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/09/24 18:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/11/24 02:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/08/24 16:52	05/11/24 02:05	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/08/24 16:52	05/11/24 02:05	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/08/24 16:52	05/11/24 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*05/08/24 16:52*	*05/11/24 02:05*	*1*
o-Terphenyl	*98*		*70 - 130*	*05/08/24 16:52*	*05/11/24 02:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.6**		5.04		mg/Kg			05/09/24 11:07	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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)
880-43254-1	H-1 (0-0.5')	91	94
880-43254-1 MS	H-1 (0-0.5')	106	90
880-43254-1 MSD	H-1 (0-0.5')	107	98
880-43254-2	H-2 (0-0.5')	105	96
880-43254-3	H-3 (0-0.5')	104	105
880-43254-4	H-4 (0-0.5')	113	100
880-43254-5	H-5 (0-0.5')	114	107
880-43254-6	H-6 (0-0.5')	113	100
880-43254-7	H-7 (0-0.5')	116	104
880-43254-8	H-8 (0-0.5')	123	102
880-43254-9	H-9 (0-0.5')	124	108
880-43254-10	H-10 (0-0.5')	124	109
880-43254-11	H-11 (0-0.5')	100	100
880-43254-12	H-12 (0-0.5')	103	102
880-43254-13	H-13 (0-0.5')	115	102
880-43254-14	H-14 (0-0.5')	122	106
880-43254-15	H-15 (0-0.5')	109	100
880-43254-16	H-16 (0-0.5')	124	107
880-43254-17	H-17 (0-0.5')	117	109
880-43254-18	H-18 (0-0.5')	111	98
880-43254-19	H-19 (0-0.5')	124	107
880-43254-20	H-20 (0-0.5')	121	105
880-43254-21	H-21 (0-0.5')	113	105
880-43254-21 MS	H-21 (0-0.5')	108	102
880-43254-21 MSD	H-21 (0-0.5')	111	100
880-43254-22	H-22 (0-0.5')	132 S1+	102
880-43254-23	H-23 (0-0.5')	113	106
880-43254-24	H-24 (0-0.5')	111	104
880-43254-25	H-25 (0-0.5')	112	105
880-43254-26	H-26 (0-0.5')	111	104
880-43254-27	H-27 (0-0.5')	112	105
880-43254-28	H-28 (0-0.5')	113	102
880-43254-29	H-29 (0-0.5')	113	106
880-43254-30	H-30 (0-0.5')	109	101
880-43254-31	H-31 (0-0.5')	112	104
880-43254-32	H-32 (0-0.5')	106	95
880-43254-33	H-33 (0-0.5')	88	106
880-43254-34	H-34 (0-0.5')	95	101
880-43264-A-1-C MS	Matrix Spike	109	102
880-43264-A-1-D MSD	Matrix Spike Duplicate	88	112
880-43290-A-1-B MS	Matrix Spike	115	100
880-43290-A-1-C MSD	Matrix Spike Duplicate	116	101
LCS 880-80275/1-A	Lab Control Sample	100	89
LCS 880-80276/1-A	Lab Control Sample	103	100
LCS 880-80328/1-A	Lab Control Sample	109	100
LCS 880-80369/1-A	Lab Control Sample	116	101
LCSD 880-80275/2-A	Lab Control Sample Dup	99	99
LCSD 880-80276/2-A	Lab Control Sample Dup	105	101
LCSD 880-80328/2-A	Lab Control Sample Dup	105	100

Surrogate Summary

Client: Carmona Resources
Job ID: 880-43254-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

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)
LCSD 880-80369/2-A	Lab Control Sample Dup	115	129
MB 880-80228/5-A	Method Blank	149 S1+	102
MB 880-80275/5-A	Method Blank	186 S1+	119
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 880-80369/5-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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-43254-1	H-1 (0-0.5')	106	133 S1+
880-43254-1 MS	H-1 (0-0.5')	107	118
880-43254-1 MSD	H-1 (0-0.5')	109	120
880-43254-2	H-2 (0-0.5')	116	144 S1+
880-43254-3	H-3 (0-0.5')	102	125
880-43254-4	H-4 (0-0.5')	104	126
880-43254-5	H-5 (0-0.5')	103	127
880-43254-6	H-6 (0-0.5')	82	103
880-43254-7	H-7 (0-0.5')	121	150 S1+
880-43254-8	H-8 (0-0.5')	95	118
880-43254-9	H-9 (0-0.5')	97	117
880-43254-10	H-10 (0-0.5')	111	138 S1+
880-43254-11	H-11 (0-0.5')	96	118
880-43254-12	H-12 (0-0.5')	123	149 S1+
880-43254-13	H-13 (0-0.5')	107	135 S1+
880-43254-14	H-14 (0-0.5')	107	133 S1+
880-43254-15	H-15 (0-0.5')	106	133 S1+
880-43254-16	H-16 (0-0.5')	107	134 S1+
880-43254-17	H-17 (0-0.5')	97	123
880-43254-18	H-18 (0-0.5')	94	115
880-43254-19	H-19 (0-0.5')	99	125
880-43254-20	H-20 (0-0.5')	96	123
880-43254-21	H-21 (0-0.5')	115	122
880-43254-21 MS	H-21 (0-0.5')	115	105
880-43254-21 MSD	H-21 (0-0.5')	102	99
880-43254-22	H-22 (0-0.5')	104	112
880-43254-23	H-23 (0-0.5')	107	114
880-43254-24	H-24 (0-0.5')	106	114
880-43254-25	H-25 (0-0.5')	95	101
880-43254-26	H-26 (0-0.5')	92	98
880-43254-27	H-27 (0-0.5')	88	95
880-43254-28	H-28 (0-0.5')	138 S1+	143 S1+
880-43254-29	H-29 (0-0.5')	118	122

Surrogate Summary

Client: Carmona Resources Job ID: 880-43254-1
Project/Site: Gem CTB Reuse Riser (12.09.23) SDG: Lea County, New Mexico

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-43254-30	H-30 (0-0.5')	95	103								
880-43254-31	H-31 (0-0.5')	115	120								
880-43254-32	H-32 (0-0.5')	106	112								
880-43254-33	H-33 (0-0.5')	99	106								
880-43254-34	H-34 (0-0.5')	91	98								
LCS 880-80292/2-A	Lab Control Sample	90	93								
LCS 880-80296/2-A	Lab Control Sample	101	93								
LCSD 880-80292/3-A	Lab Control Sample Dup	85	87								
LCSD 880-80296/3-A	Lab Control Sample Dup	102	95								
MB 880-80292/1-A	Method Blank	105	127								
MB 880-80296/1-A	Method Blank	115	127								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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: MB 880-80275/5-A
Matrix: Solid
Analysis Batch: 80210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80275

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/08/24 23:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/08/24 23:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/08/24 23:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/08/24 15:25	05/08/24 23:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/24 15:25	05/08/24 23:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/08/24 15:25	05/08/24 23:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*186*	*S1+*	*70 - 130*	*05/08/24 15:25*	*05/08/24 23:07*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*05/08/24 15:25*	*05/08/24 23:07*	*1*

Lab Sample ID: LCS 880-80275/1-A
Matrix: Solid
Analysis Batch: 80210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80275

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09673		mg/Kg		97	70 - 130
Toluene	0.100	0.09889		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1232		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	0.200	0.1923		mg/Kg		96	70 - 130
o-Xylene	0.100	0.08352		mg/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-80275/2-A
Matrix: Solid
Analysis Batch: 80210

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80275

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1037		mg/Kg		104	70 - 130	7	35

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-80275/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80210 — **Prep Batch: 80275**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09747		mg/Kg		97	70 - 130	1	35
Ethylbenzene			0.100	0.1155		mg/Kg		115	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1867		mg/Kg		93	70 - 130	3	35
o-Xylene			0.100	0.08978		mg/Kg		90	70 - 130	7	35

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

Lab Sample ID: 880-43254-1 MS — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80210 — **Prep Batch: 80275**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09509		mg/Kg		95	70 - 130
Toluene	<0.00201	U	0.100	0.09235		mg/Kg		92	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.1166		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2075		mg/Kg		104	70 - 130
o-Xylene	<0.00201	U	0.100	0.08890		mg/Kg		89	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-43254-1 MSD — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80210 — **Prep Batch: 80275**

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	0.09815		mg/Kg		98	70 - 130	3	35
Toluene	<0.00201	U	0.100	0.09261		mg/Kg		93	70 - 130	0	35
Ethylbenzene	<0.00201	U	0.100	0.1091		mg/Kg		109	70 - 130	7	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2097		mg/Kg		105	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.08569		mg/Kg		86	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-80276/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80323 — **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

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

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
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*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-43254-21 MS
Matrix: Solid
Analysis Batch: 80323

Client Sample ID: H-21 (0-0.5')
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

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43254-21 MS
Matrix: Solid
Analysis Batch: 80323

Client Sample ID: H-21 (0-0.5')
Prep Type: Total/NA
Prep Batch: 80276

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-43254-21 MSD
Matrix: Solid
Analysis Batch: 80323

Client Sample ID: H-21 (0-0.5')
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*

Lab Sample ID: MB 880-80328/5-A
Matrix: Solid
Analysis Batch: 80319

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

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-80328/5-A
Matrix: Solid
Analysis Batch: 80319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80328

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
Matrix: Solid
Analysis Batch: 80319

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
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
Matrix: Solid
Analysis Batch: 80319

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

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
Matrix: Solid
Analysis Batch: 80319

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

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43264-A-1-D MSD
Matrix: Solid
Analysis Batch: 80319

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
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 880-80369/5-A
Matrix: Solid
Analysis Batch: 80320

Client Sample ID: Method Blank
Prep Type: Total/NA
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
Matrix: Solid
Analysis Batch: 80320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
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
Matrix: Solid
Analysis Batch: 80320

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

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
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

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 880-80292/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 80525 — **Prep Batch: 80292**

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 16:48	05/11/24 08:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:48	05/11/24 08:23	1

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-80292/1-A
Matrix: Solid
Analysis Batch: 80525

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80292

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		05/08/24 16:48	05/11/24 08:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/08/24 16:48*	*05/11/24 08:23*	*1*
o-Terphenyl	*127*		*70 - 130*	*05/08/24 16:48*	*05/11/24 08:23*	*1*

Lab Sample ID: LCS 880-80292/2-A
Matrix: Solid
Analysis Batch: 80525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80292

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	902.4		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	943.1		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: LCSD 880-80292/3-A
Matrix: Solid
Analysis Batch: 80525

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80292

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	928.3		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	851.2		mg/Kg		85	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*87*		*70 - 130*

Lab Sample ID: 880-43254-1 MS
Matrix: Solid
Analysis Batch: 80525

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 80292

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 F2	995	1078		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	702.1	F1	mg/Kg		67	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*118*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43254-1 MSD
Matrix: Solid
Analysis Batch: 80525

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 80292

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 F2	995	743.5	F2	mg/Kg		71	70 - 130	37	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	717.1	F1	mg/Kg		69	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*120*		*70 - 130*

Lab Sample ID: MB 880-80296/1-A
Matrix: Solid
Analysis Batch: 80414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80296

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 16:52	05/10/24 19:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/08/24 16:52	05/10/24 19:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/08/24 16:52	05/10/24 19:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/08/24 16:52*	*05/10/24 19:36*	*1*
o-Terphenyl	*127*		*70 - 130*	*05/08/24 16:52*	*05/10/24 19:36*	*1*

Lab Sample ID: LCS 880-80296/2-A
Matrix: Solid
Analysis Batch: 80414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80296

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1146		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	966.0		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: LCSD 880-80296/3-A
Matrix: Solid
Analysis Batch: 80414

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80296

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1157		mg/Kg		116	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	973.8		mg/Kg		97	70 - 130	1	20

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-80296/3-A
Matrix: Solid
Analysis Batch: 80414

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80296

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 880-43254-21 MS
Matrix: Solid
Analysis Batch: 80414

Client Sample ID: H-21 (0-0.5')
Prep Type: Total/NA
Prep Batch: 80296

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	1006		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	667.3	F1	mg/Kg		67	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-43254-21 MSD
Matrix: Solid
Analysis Batch: 80414

Client Sample ID: H-21 (0-0.5')
Prep Type: Total/NA
Prep Batch: 80296

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	946.1		mg/Kg		95	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	598.5	F1	mg/Kg		60	70 - 130	11	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	99		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-80288/1-A
Matrix: Solid
Analysis Batch: 80325

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			05/10/24 19:35	1

Lab Sample ID: LCS 880-80288/2-A
Matrix: Solid
Analysis Batch: 80325

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	234.7		mg/Kg		94	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-80288/3-A
Matrix: Solid
Analysis Batch: 80325

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	233.5		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 880-43254-2 MS
Matrix: Solid
Analysis Batch: 80325

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6.16		249	245.0		mg/Kg		96	90 - 110

Lab Sample ID: 880-43254-2 MSD
Matrix: Solid
Analysis Batch: 80325

Client Sample ID: H-2 (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	6.16		249	243.9		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-80289/1-A
Matrix: Solid
Analysis Batch: 80326

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			05/09/24 09:49	1

Lab Sample ID: LCS 880-80289/2-A
Matrix: Solid
Analysis Batch: 80326

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	248.8		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-80289/3-A
Matrix: Solid
Analysis Batch: 80326

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	249.4		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-43254-12 MS
Matrix: Solid
Analysis Batch: 80326

Client Sample ID: H-12 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<4.99	U	250	257.6		mg/Kg		102	90 - 110

Lab Sample ID: 880-43254-12 MSD
Matrix: Solid
Analysis Batch: 80326

Client Sample ID: H-12 (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	<4.99	U	250	258.6		mg/Kg		102	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-43254-22 MS
Matrix: Solid
Analysis Batch: 80326

Client Sample ID: H-22 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<5.04	U	252	261.7		mg/Kg		102	90 - 110

Lab Sample ID: 880-43254-22 MSD
Matrix: Solid
Analysis Batch: 80326

Client Sample ID: H-22 (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	<5.04	U	252	261.4		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-80291/1-A
Matrix: Solid
Analysis Batch: 80330

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			05/09/24 10:24	1

Lab Sample ID: LCS 880-80291/2-A
Matrix: Solid
Analysis Batch: 80330

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 880-80291/3-A
Matrix: Solid
Analysis Batch: 80330

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	240.8		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-43254-32 MS
Matrix: Solid
Analysis Batch: 80330

Client Sample ID: H-32 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	28.2		248	273.7		mg/Kg		99	90 - 110

Lab Sample ID: 880-43254-32 MSD
Matrix: Solid
Analysis Batch: 80330

Client Sample ID: H-32 (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	28.2		248	272.6		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 80210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-1	H-1 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-2	H-2 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-3	H-3 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-4	H-4 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-5	H-5 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-6	H-6 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-7	H-7 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-8	H-8 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-9	H-9 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-10	H-10 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-11	H-11 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-12	H-12 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-13	H-13 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-14	H-14 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-15	H-15 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-16	H-16 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-17	H-17 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-18	H-18 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-19	H-19 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-20	H-20 (0-0.5')	Total/NA	Solid	8021B	80275
MB 880-80228/5-A	Method Blank	Total/NA	Solid	8021B	80228
MB 880-80275/5-A	Method Blank	Total/NA	Solid	8021B	80275
LCS 880-80275/1-A	Lab Control Sample	Total/NA	Solid	8021B	80275
LCSD 880-80275/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80275
880-43254-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	80275
880-43254-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	80275

Prep Batch: 80228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-80228/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 80275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-43254-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-43254-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-43254-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-43254-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-43254-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-43254-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-43254-8	H-8 (0-0.5')	Total/NA	Solid	5035	
880-43254-9	H-9 (0-0.5')	Total/NA	Solid	5035	
880-43254-10	H-10 (0-0.5')	Total/NA	Solid	5035	
880-43254-11	H-11 (0-0.5')	Total/NA	Solid	5035	
880-43254-12	H-12 (0-0.5')	Total/NA	Solid	5035	
880-43254-13	H-13 (0-0.5')	Total/NA	Solid	5035	
880-43254-14	H-14 (0-0.5')	Total/NA	Solid	5035	
880-43254-15	H-15 (0-0.5')	Total/NA	Solid	5035	
880-43254-16	H-16 (0-0.5')	Total/NA	Solid	5035	
880-43254-17	H-17 (0-0.5')	Total/NA	Solid	5035	
880-43254-18	H-18 (0-0.5')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 80275 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-19	H-19 (0-0.5')	Total/NA	Solid	5035	
880-43254-20	H-20 (0-0.5')	Total/NA	Solid	5035	
MB 880-80275/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80275/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80275/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-43254-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-43254-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Prep Batch: 80276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-21	H-21 (0-0.5')	Total/NA	Solid	5035	
880-43254-23	H-23 (0-0.5')	Total/NA	Solid	5035	
880-43254-24	H-24 (0-0.5')	Total/NA	Solid	5035	
880-43254-25	H-25 (0-0.5')	Total/NA	Solid	5035	
880-43254-26	H-26 (0-0.5')	Total/NA	Solid	5035	
880-43254-27	H-27 (0-0.5')	Total/NA	Solid	5035	
880-43254-28	H-28 (0-0.5')	Total/NA	Solid	5035	
880-43254-29	H-29 (0-0.5')	Total/NA	Solid	5035	
880-43254-30	H-30 (0-0.5')	Total/NA	Solid	5035	
880-43254-31	H-31 (0-0.5')	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	
880-43254-21 MS	H-21 (0-0.5')	Total/NA	Solid	5035	
880-43254-21 MSD	H-21 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 80319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-32	H-32 (0-0.5')	Total/NA	Solid	8021B	80328
880-43254-33	H-33 (0-0.5')	Total/NA	Solid	8021B	80328
880-43254-34	H-34 (0-0.5')	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
880-43254-22	H-22 (0-0.5')	Total/NA	Solid	8021B	80369
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 880-80369/1-A	Lab Control Sample	Total/NA	Solid	8021B	80369
LCSD 880-80369/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80369
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: 80323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-21	H-21 (0-0.5')	Total/NA	Solid	8021B	80276
880-43254-23	H-23 (0-0.5')	Total/NA	Solid	8021B	80276

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 80323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-24	H-24 (0-0.5')	Total/NA	Solid	8021B	80276
880-43254-25	H-25 (0-0.5')	Total/NA	Solid	8021B	80276
880-43254-26	H-26 (0-0.5')	Total/NA	Solid	8021B	80276
880-43254-27	H-27 (0-0.5')	Total/NA	Solid	8021B	80276
880-43254-28	H-28 (0-0.5')	Total/NA	Solid	8021B	80276
880-43254-29	H-29 (0-0.5')	Total/NA	Solid	8021B	80276
880-43254-30	H-30 (0-0.5')	Total/NA	Solid	8021B	80276
880-43254-31	H-31 (0-0.5')	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
880-43254-21 MS	H-21 (0-0.5')	Total/NA	Solid	8021B	80276
880-43254-21 MSD	H-21 (0-0.5')	Total/NA	Solid	8021B	80276

Prep Batch: 80327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-80327/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 80328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-32	H-32 (0-0.5')	Total/NA	Solid	5035	
880-43254-33	H-33 (0-0.5')	Total/NA	Solid	5035	
880-43254-34	H-34 (0-0.5')	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	

Prep Batch: 80369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-22	H-22 (0-0.5')	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	

Analysis Batch: 80372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-10	H-10 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-11	H-11 (0-0.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 80372 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-12	H-12 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-13	H-13 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-14	H-14 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-15	H-15 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-16	H-16 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-17	H-17 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-18	H-18 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-19	H-19 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-20	H-20 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-21	H-21 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-22	H-22 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-23	H-23 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-24	H-24 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-25	H-25 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-26	H-26 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-27	H-27 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-28	H-28 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-29	H-29 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-30	H-30 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-31	H-31 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-32	H-32 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-33	H-33 (0-0.5')	Total/NA	Solid	Total BTEX	
880-43254-34	H-34 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 80292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-10	H-10 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-11	H-11 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-12	H-12 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-13	H-13 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-14	H-14 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-15	H-15 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-16	H-16 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-17	H-17 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-18	H-18 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-19	H-19 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-20	H-20 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-80292/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80292/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80292/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 80292 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 80296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-21	H-21 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-22	H-22 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-23	H-23 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-24	H-24 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-25	H-25 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-26	H-26 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-27	H-27 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-28	H-28 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-29	H-29 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-30	H-30 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-31	H-31 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-32	H-32 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-33	H-33 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-34	H-34 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-80296/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80296/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80296/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43254-21 MS	H-21 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-43254-21 MSD	H-21 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 80414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-21	H-21 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-22	H-22 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-23	H-23 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-24	H-24 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-25	H-25 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-26	H-26 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-27	H-27 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-28	H-28 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-29	H-29 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-30	H-30 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-31	H-31 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-32	H-32 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-33	H-33 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-34	H-34 (0-0.5')	Total/NA	Solid	8015B NM	80296
MB 880-80296/1-A	Method Blank	Total/NA	Solid	8015B NM	80296
LCS 880-80296/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80296
LCSD 880-80296/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80296
880-43254-21 MS	H-21 (0-0.5')	Total/NA	Solid	8015B NM	80296
880-43254-21 MSD	H-21 (0-0.5')	Total/NA	Solid	8015B NM	80296

Analysis Batch: 80525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	80292

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 80525 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-10	H-10 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-11	H-11 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-12	H-12 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-13	H-13 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-14	H-14 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-15	H-15 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-16	H-16 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-17	H-17 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-18	H-18 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-19	H-19 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-20	H-20 (0-0.5')	Total/NA	Solid	8015B NM	80292
MB 880-80292/1-A	Method Blank	Total/NA	Solid	8015B NM	80292
LCS 880-80292/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80292
LCSD 880-80292/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80292
880-43254-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	80292
880-43254-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	80292

Analysis Batch: 80583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-10	H-10 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-11	H-11 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-12	H-12 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-13	H-13 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-14	H-14 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-15	H-15 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-16	H-16 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-17	H-17 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-18	H-18 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-19	H-19 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-20	H-20 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-21	H-21 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-22	H-22 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-23	H-23 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-24	H-24 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-25	H-25 (0-0.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 80583 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-26	H-26 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-27	H-27 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-28	H-28 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-29	H-29 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-30	H-30 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-31	H-31 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-32	H-32 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-33	H-33 (0-0.5')	Total/NA	Solid	8015 NM	
880-43254-34	H-34 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 80288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-10	H-10 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-11	H-11 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-80288/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80288/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80288/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43254-2 MS	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-2 MSD	H-2 (0-0.5')	Soluble	Solid	DI Leach	

Leach Batch: 80289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-12	H-12 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-13	H-13 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-14	H-14 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-15	H-15 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-16	H-16 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-17	H-17 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-18	H-18 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-19	H-19 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-20	H-20 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-21	H-21 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-22	H-22 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-23	H-23 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-24	H-24 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-25	H-25 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-26	H-26 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-27	H-27 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-28	H-28 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-29	H-29 (0-0.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 80289 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-30	H-30 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-31	H-31 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-80289/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80289/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80289/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43254-12 MS	H-12 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-12 MSD	H-12 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-22 MS	H-22 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-22 MSD	H-22 (0-0.5')	Soluble	Solid	DI Leach	

Leach Batch: 80291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-32	H-32 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-33	H-33 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-34	H-34 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-80291/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80291/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80291/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43254-32 MS	H-32 (0-0.5')	Soluble	Solid	DI Leach	
880-43254-32 MSD	H-32 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 80325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-1	H-1 (0-0.5')	Soluble	Solid	300.0	80288
880-43254-2	H-2 (0-0.5')	Soluble	Solid	300.0	80288
880-43254-3	H-3 (0-0.5')	Soluble	Solid	300.0	80288
880-43254-4	H-4 (0-0.5')	Soluble	Solid	300.0	80288
880-43254-5	H-5 (0-0.5')	Soluble	Solid	300.0	80288
880-43254-6	H-6 (0-0.5')	Soluble	Solid	300.0	80288
880-43254-7	H-7 (0-0.5')	Soluble	Solid	300.0	80288
880-43254-8	H-8 (0-0.5')	Soluble	Solid	300.0	80288
880-43254-9	H-9 (0-0.5')	Soluble	Solid	300.0	80288
880-43254-10	H-10 (0-0.5')	Soluble	Solid	300.0	80288
880-43254-11	H-11 (0-0.5')	Soluble	Solid	300.0	80288
MB 880-80288/1-A	Method Blank	Soluble	Solid	300.0	80288
LCS 880-80288/2-A	Lab Control Sample	Soluble	Solid	300.0	80288
LCSD 880-80288/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80288
880-43254-2 MS	H-2 (0-0.5')	Soluble	Solid	300.0	80288
880-43254-2 MSD	H-2 (0-0.5')	Soluble	Solid	300.0	80288

Analysis Batch: 80326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-12	H-12 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-13	H-13 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-14	H-14 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-15	H-15 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-16	H-16 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-17	H-17 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-18	H-18 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-19	H-19 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-20	H-20 (0-0.5')	Soluble	Solid	300.0	80289

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 80326 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-21	H-21 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-22	H-22 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-23	H-23 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-24	H-24 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-25	H-25 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-26	H-26 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-27	H-27 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-28	H-28 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-29	H-29 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-30	H-30 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-31	H-31 (0-0.5')	Soluble	Solid	300.0	80289
MB 880-80289/1-A	Method Blank	Soluble	Solid	300.0	80289
LCS 880-80289/2-A	Lab Control Sample	Soluble	Solid	300.0	80289
LCSD 880-80289/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80289
880-43254-12 MS	H-12 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-12 MSD	H-12 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-22 MS	H-22 (0-0.5')	Soluble	Solid	300.0	80289
880-43254-22 MSD	H-22 (0-0.5')	Soluble	Solid	300.0	80289

Analysis Batch: 80330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43254-32	H-32 (0-0.5')	Soluble	Solid	300.0	80291
880-43254-33	H-33 (0-0.5')	Soluble	Solid	300.0	80291
880-43254-34	H-34 (0-0.5')	Soluble	Solid	300.0	80291
MB 880-80291/1-A	Method Blank	Soluble	Solid	300.0	80291
LCS 880-80291/2-A	Lab Control Sample	Soluble	Solid	300.0	80291
LCSD 880-80291/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80291
880-43254-32 MS	H-32 (0-0.5')	Soluble	Solid	300.0	80291
880-43254-32 MSD	H-32 (0-0.5')	Soluble	Solid	300.0	80291

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-1 (0-0.5')
Lab Sample ID: 880-43254-1
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/08/24 23:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/08/24 23:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 11:11	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80288	05/08/24 16:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80325	05/10/24 21:16	SMC	EET MID

Client Sample ID: H-2 (0-0.5')
Lab Sample ID: 880-43254-2
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/08/24 23:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/08/24 23:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 12:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 12:07	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80288	05/08/24 16:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80325	05/10/24 21:22	SMC	EET MID

Client Sample ID: H-3 (0-0.5')
Lab Sample ID: 880-43254-3
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 00:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 00:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 12:26	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80288	05/08/24 16:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80325	05/10/24 21:41	SMC	EET MID

Client Sample ID: H-4 (0-0.5')
Lab Sample ID: 880-43254-4
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 00:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 00:37	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43254-4
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			80583	05/11/24 12:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 12:45	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80288	05/08/24 16:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80325	05/10/24 21:47	SMC	EET MID

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

Lab Sample ID: 880-43254-5
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 00:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 00:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/12/24 08:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/12/24 08:31	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80288	05/08/24 16:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80325	05/10/24 22:06	SMC	EET MID

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

Lab Sample ID: 880-43254-6
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 01:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 01:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 19:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 19:32	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80288	05/08/24 16:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80325	05/10/24 22:12	SMC	EET MID

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

Lab Sample ID: 880-43254-7
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 01:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 01:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 19:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 19:51	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-43254-7
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80288	05/08/24 16:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80325	05/10/24 22:19	SMC	EET MID

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

Lab Sample ID: 880-43254-8
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 01:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 01:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 20:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 20:10	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80288	05/08/24 16:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80325	05/10/24 22:25	SMC	EET MID

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

Lab Sample ID: 880-43254-9
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 02:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 02:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 20:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 20:29	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80288	05/08/24 16:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80325	05/10/24 22:31	SMC	EET MID

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

Lab Sample ID: 880-43254-10
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 02:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 02:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 20:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 20:49	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80288	05/08/24 16:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80325	05/10/24 22:38	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-43254-11
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 04:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 04:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 21:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 21:26	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	80288	05/08/24 16:43	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80325	05/10/24 22:44	SMC	EET MID

Client Sample ID: H-12 (0-0.5')

Lab Sample ID: 880-43254-12
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 04:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 04:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 21:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 21:47	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 10:05	SMC	EET MID

Client Sample ID: H-13 (0-0.5')

Lab Sample ID: 880-43254-13
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 05:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 05:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 22:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 22:05	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 10:21	SMC	EET MID

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-43254-14
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 05:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 05:31	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-43254-14
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			80583	05/11/24 22:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 22:24	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 10:27	SMC	EET MID

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-43254-15
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 05:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 05:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 22:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 22:45	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 10:32	SMC	EET MID

Client Sample ID: H-16 (0-0.5')

Lab Sample ID: 880-43254-16
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 06:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 06:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 23:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 23:04	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 10:38	SMC	EET MID

Client Sample ID: H-17 (0-0.5')

Lab Sample ID: 880-43254-17
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 06:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 06:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 23:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 23:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-17 (0-0.5')

Lab Sample ID: 880-43254-17
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 10:54	SMC	EET MID

Client Sample ID: H-18 (0-0.5')

Lab Sample ID: 880-43254-18
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 06:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 06:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 23:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/11/24 23:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 11:00	SMC	EET MID

Client Sample ID: H-19 (0-0.5')

Lab Sample ID: 880-43254-19
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 07:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 07:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/12/24 00:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/12/24 00:02	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 11:05	SMC	EET MID

Client Sample ID: H-20 (0-0.5')

Lab Sample ID: 880-43254-20
Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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	80275	05/08/24 15:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80210	05/09/24 07:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 07:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/12/24 00:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80292	05/08/24 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80525	05/12/24 00:20	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 11:10	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-21 (0-0.5')

Lab Sample ID: 880-43254-21
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 11:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 11:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/10/24 20:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 20:37	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 11:16	SMC	EET MID

Client Sample ID: H-22 (0-0.5')

Lab Sample ID: 880-43254-22
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80369	05/09/24 14:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80320	05/10/24 02:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/10/24 02:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/10/24 21:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 21:38	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 11:21	SMC	EET MID

Client Sample ID: H-23 (0-0.5')

Lab Sample ID: 880-43254-23
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 16:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 16:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/10/24 21:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 21:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 11:37	SMC	EET MID

Client Sample ID: H-24 (0-0.5')

Lab Sample ID: 880-43254-24
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 17:20	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-24 (0-0.5')

Lab Sample ID: 880-43254-24
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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			80583	05/10/24 22:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 22:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 11:43	SMC	EET MID

Client Sample ID: H-25 (0-0.5')

Lab Sample ID: 880-43254-25
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 17:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 17:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/10/24 22:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 22:41	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 11:59	SMC	EET MID

Client Sample ID: H-26 (0-0.5')

Lab Sample ID: 880-43254-26
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 18:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 18:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/10/24 23:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 23:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 12:05	SMC	EET MID

Client Sample ID: H-27 (0-0.5')

Lab Sample ID: 880-43254-27
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 18:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/10/24 23:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 23:22	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-27 (0-0.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43254-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 12:10	SMC	EET MID

Client Sample ID: H-28 (0-0.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43254-28
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			4.98 g	5 mL	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 19:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/10/24 23:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/10/24 23:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 12:15	SMC	EET MID

Client Sample ID: H-29 (0-0.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43254-29
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	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 18:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 00:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/11/24 00:04	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 12:21	SMC	EET MID

Client Sample ID: H-30 (0-0.5')
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

Lab Sample ID: 880-43254-30
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	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 19:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 19:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 00:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/11/24 00:24	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 12:26	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Client Sample ID: H-31 (0-0.5')

Lab Sample ID: 880-43254-31
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80276	05/08/24 15:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80323	05/09/24 19:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 19:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 01:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/11/24 01:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80289	05/08/24 16:45	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80326	05/09/24 12:32	SMC	EET MID

Client Sample ID: H-32 (0-0.5')

Lab Sample ID: 880-43254-32
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80328	05/09/24 08:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80319	05/09/24 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 17:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 01:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/11/24 01:25	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 10:43	SMC	EET MID

Client Sample ID: H-33 (0-0.5')

Lab Sample ID: 880-43254-33
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80328	05/09/24 08:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80319	05/09/24 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 18:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			80583	05/11/24 01:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/11/24 01:45	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 11:01	SMC	EET MID

Client Sample ID: H-34 (0-0.5')

Lab Sample ID: 880-43254-34
Matrix: Solid
Date Collected: 05/07/24 00:00
Date Received: 05/08/24 14:55

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	80328	05/09/24 08:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80319	05/09/24 18:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80372	05/09/24 18:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Job ID: 880-43254-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

Client Sample ID: H-34 (0-0.5')
Lab Sample ID: 880-43254-34

Date Collected: 05/07/24 00:00
Matrix: Solid
Date Received: 05/08/24 14:55

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			80583	05/11/24 02:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	80296	05/08/24 16:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80414	05/11/24 02:05	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80291	05/08/24 16:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80330	05/09/24 11:07	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
Job ID: 880-43254-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-43254-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-43254-1	H-1 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-2	H-2 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-3	H-3 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-4	H-4 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-5	H-5 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-6	H-6 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-7	H-7 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-8	H-8 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-9	H-9 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-10	H-10 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-11	H-11 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-12	H-12 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-13	H-13 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-14	H-14 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-15	H-15 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-16	H-16 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-17	H-17 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-18	H-18 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-19	H-19 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-20	H-20 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-21	H-21 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-22	H-22 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-23	H-23 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-24	H-24 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-25	H-25 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-26	H-26 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-27	H-27 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-28	H-28 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-29	H-29 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-30	H-30 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-31	H-31 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-32	H-32 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-33	H-33 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55
880-43254-34	H-34 (0-0.5')	Solid	05/07/24 00:00	05/08/24 14:55

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Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around		Pres. Code	
Project Number	2350	☑ Routine	☐ Rush		
Project Location	Lea County, New Mexico	Due Date	Standard		
Sampler's Name	JR & IR				
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	-.10
Sample Custody Seals	Yes No (N/A)	Temperature Reading	1.0
Total Containers		Corrected Temperature	0.9

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	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
H-1 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-2 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-3 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-4 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-5 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-6 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-7 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-8 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-9 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-10 (0-0 5')	5/7/2024		X		G	1	x	x	x	

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

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	5/10/24 1455		

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Received by OCD: 8/1/2024 9:02:10 AM

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Work Order No: 43254

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Gem CTB Reuse Riser (12 09.23)	Turn Around		Pres. Code	
Project Number	2350	☑ Routine	☐ Rush		
Project Location	Lea County, New Mexico	Due Date	Standard		
Sampler's Name	JR & IR				
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	-.10
Sample Custody Seals	Yes No (N/A)	Temperature Reading	1.0
Total Containers		Corrected Temperature	0.9

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	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	Sample Comments
H-11 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-12 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-13 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-14 (0-0.5')	5/7/2024		X		G	1	x	x	x	
H-15 (0-0.5')	5/7/2024		X		G	1	x	x	x	
H-16 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-17 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-18 (0-0.5')	5/7/2024		X		G	1	x	x	x	
H-19 (0-0 5')	5/7/2024		X		G	1	x	x	x	
H-20 (0-0 5')	5/7/2024		X		G	1	x	x	x	

Comments. Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

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	5/8/24 1455		

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Work Order No: 43254

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around			
Project Number	2350	☑ Routine	☐ Rush		
Project Location	Lea County, New Mexico	Due Date	Standard		
Sampler's Name	JR & IR				
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	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
H-21 (0-0.5')	5/7/2024		X		G	1		x	x	x
H-22 (0-0 5')	5/7/2024		X		G	1		x	x	x
H-23 (0-0.5')	5/7/2024		X		G	1		x	x	x
H-24 (0-0 5')	5/7/2024		X		G	1		x	x	x
H-25 (0-0.5')	5/7/2024		X		G	1		x	x	x
H-26 (0-0 5')	5/7/2024		X		G	1		x	x	x
H-27 (0-0 5')	5/7/2024		X		G	1		x	x	x
H-28 (0-0 5')	5/7/2024		X		G	1		x	x	x
H-29 (0-0 5')	5/7/2024		X		G	1		x	x	x
H-30 (0-0 5')	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_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 Comments

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

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5/14/2024

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Work Order No: 43254

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Gem CTB Reuse Riser (12 09 23)	Turn Around	
Project Number	2350	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	JR & IR		
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	Sample Comments
H-31 (0-0 5')	5/7/2024		X		G	1		x	x	x	
H-32 (0-0 5')	5/7/2024		X		G	1		x	x	x	
H-33 (0-0.5')	5/7/2024		X		G	1		x	x	x	
H-34 (0-0 5')	5/7/2024		X		G	1		x	x	x	

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	5/8/24 1455		

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5/14/2024

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-43254-1
SDG Number: Lea County, New Mexico

Login Number: 43254
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: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

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JOB DESCRIPTION

Gem CTB Reuse Riser (12.09.23)
Lea County, New Mexico

JOB NUMBER

880-44023-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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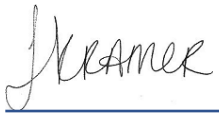
Eurofins Midland

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



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

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Laboratory Job ID: 880-44023-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1

Job ID: 880-44023-1 Eurofins Midland

Job Narrative
880-44023-1

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 5/29/2024 11:25 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 -3.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: T-9 (0-1') (880-44023-1), T-9 (1.5') (880-44023-2), T-9 (2') (880-44023-3), T-9 (3') (880-44023-4), T-9 (4') (880-44023-5), T-9 (5') (880-44023-6), T-9 (6') (880-44023-7), T-9 (7') (880-44023-8), T-9 (8') (880-44023-9), T-11 (0-1') (880-44023-10), T-11 (1.5') (880-44023-11), T-11 (2') (880-44023-12), T-11 (3') (880-44023-13), T-11 (4') (880-44023-14), T-11 (5') (880-44023-15), T-11 (6') (880-44023-16), T-11 (7') (880-44023-17), T-11 (8') (880-44023-18), T-11 (9') (880-44023-19), T-11 (10') (880-44023-20), T-26 (0-1') (880-44023-21), T-26 (1.5') (880-44023-22), T-26 (2') (880-44023-23), T-26 (3') (880-44023-24), T-26 (3.5') (880-44023-25), T-27 (0-1') (880-44023-26), T-27 (1.5') (880-44023-27), T-27 (2') (880-44023-28), T-27 (2.5') (880-44023-29), T-28 (0-1') (880-44023-30), T-28 (1.5') (880-44023-31), T-28 (2') (880-44023-32), T-29 (0-1') (880-44023-33), T-29 (1.5') (880-44023-34) and T-29 (2') (880-44023-35).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-81780 and analytical batch 880-81747 was outside the upper control limits.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: T-11 (4') (880-44023-14). This sample did not contain any target analytes; 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 880-81792 and analytical batch 880-81846 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-27 (2.5') (880-44023-29). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: T-29 (2') (880-44023-35). This sample did not contain any target analytes; 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 880-81796 and analytical batch 880-81848 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 / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-81831 and analytical batch 880-81876 were outside control limits for one or more analytes. See QC Sample Results for detail.

Eurofins Midland

Case Narrative

Client: Carmona Resources Job ID: 880-44023-1
Project: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1 (Continued) Eurofins Midland

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

T-9 (4') (880-44023-5), T-9 (5') (880-44023-6), T-9 (6') (880-44023-7), T-9 (7') (880-44023-8), T-9 (8') (880-44023-9), T-11 (0-1') (880-44023-10), T-11 (1.5') (880-44023-11), T-11 (2') (880-44023-12), T-11 (3') (880-44023-13), T-11 (4') (880-44023-14), (880-44023-A-5-D MS) and (880-44023-A-5-E MSD)

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-81832 and analytical batch 880-81888 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.

T-11 (5') (880-44023-15), T-11 (6') (880-44023-16), T-11 (7') (880-44023-17), T-11 (8') (880-44023-18), T-11 (9') (880-44023-19), T-11 (10') (880-44023-20), T-26 (0-1') (880-44023-21), T-26 (1.5') (880-44023-22), T-26 (2') (880-44023-23), T-26 (3') (880-44023-24), T-26 (3.5') (880-44023-25), (880-44023-A-15-D MS) and (880-44023-A-15-E 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: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (0-1')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-1
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		05/29/24 12:26	05/29/24 16:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:26	05/29/24 16:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:26	05/29/24 16:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/29/24 12:26	05/29/24 16:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:26	05/29/24 16:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/29/24 12:26	05/29/24 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/29/24 12:26*	*05/29/24 16:12*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/29/24 12:26*	*05/29/24 16:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/29/24 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/30/24 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/29/24 14:05	05/30/24 12:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/29/24 14:05	05/30/24 12:46	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/29/24 14:05	05/30/24 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*05/29/24 14:05*	*05/30/24 12:46*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/29/24 14:05*	*05/30/24 12:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7290**		49.8		mg/Kg			05/30/24 14:23	10

Client Sample ID: T-9 (1.5')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-2
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		05/29/24 12:26	05/29/24 16:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 16:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 16:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/29/24 12:26	05/29/24 16:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 16:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/24 12:26	05/29/24 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/29/24 12:26*	*05/29/24 16:33*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/29/24 12:26*	*05/29/24 16:33*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (1.5')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/29/24 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/30/24 13:06	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	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 13:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 13:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/29/24 14:05*	*05/30/24 13:06*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/29/24 14:05*	*05/30/24 13:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3460**		25.1		mg/Kg			05/30/24 14:29	5

Client Sample ID: T-9 (2')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 16:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 16:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 16:53	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/29/24 12:26	05/29/24 16:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 16:53	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/29/24 12:26	05/29/24 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/29/24 12:26*	*05/29/24 16:53*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/29/24 12:26*	*05/29/24 16:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/29/24 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/30/24 13:26	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		05/29/24 14:05	05/30/24 13:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/24 14:05	05/30/24 13:26	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (2')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-3
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)	<50.0	U	50.0		mg/Kg		05/29/24 14:05	05/30/24 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/29/24 14:05*	*05/30/24 13:26*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/29/24 14:05*	*05/30/24 13:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1850**		25.0		mg/Kg			05/30/24 14:35	5

Client Sample ID: T-9 (3')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:26	05/29/24 17:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:26	05/29/24 17:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:26	05/29/24 17:13	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/29/24 12:26	05/29/24 17:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:26	05/29/24 17:13	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/29/24 12:26	05/29/24 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/29/24 12:26*	*05/29/24 17:13*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/29/24 12:26*	*05/29/24 17:13*	*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			05/29/24 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/30/24 13:47	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		05/29/24 14:05	05/30/24 13:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/24 14:05	05/30/24 13:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/29/24 14:05	05/30/24 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*05/29/24 14:05*	*05/30/24 13:47*	*1*
o-Terphenyl	*114*		*70 - 130*	*05/29/24 14:05*	*05/30/24 13:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.9**		5.00		mg/Kg			05/30/24 14:42	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (4')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:26	05/29/24 17:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:26	05/29/24 17:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:26	05/29/24 17:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/29/24 12:26	05/29/24 17:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:26	05/29/24 17:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/29/24 12:26	05/29/24 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/29/24 12:26*	*05/29/24 17:34*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/29/24 12:26*	*05/29/24 17:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/29/24 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/30/24 14:07	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		05/29/24 14:05	05/30/24 14:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/24 14:05	05/30/24 14:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/29/24 14:05	05/30/24 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*05/29/24 14:05*	*05/30/24 14:07*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/29/24 14:05*	*05/30/24 14:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**106**	**F1**	4.97		mg/Kg			05/30/24 14:48	1

Client Sample ID: T-9 (5')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 17:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 17:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 17:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/29/24 12:26	05/29/24 17:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 17:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/29/24 12:26	05/29/24 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/29/24 12:26*	*05/29/24 17:54*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/29/24 12:26*	*05/29/24 17:54*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (5')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/29/24 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/30/24 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 14:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 14:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*05/29/24 14:05*	*05/30/24 14:28*	*1*
o-Terphenyl	*109*		*70 - 130*	*05/29/24 14:05*	*05/30/24 14:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**674**		5.01		mg/Kg			05/30/24 15:07	1

Client Sample ID: T-9 (6')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 18:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 18:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 18:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/29/24 12:26	05/29/24 18:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 18:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/29/24 12:26	05/29/24 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/29/24 12:26*	*05/29/24 18:15*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/29/24 12:26*	*05/29/24 18:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/29/24 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/30/24 14:49	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		05/29/24 14:05	05/30/24 14:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 14:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (6')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-7
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)	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/29/24 14:05*	*05/30/24 14:49*	*1*
o-Terphenyl	*96*		*70 - 130*	*05/29/24 14:05*	*05/30/24 14:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**234**		5.02		mg/Kg			05/30/24 15:13	1

Client Sample ID: T-9 (7')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-8
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		05/29/24 12:26	05/29/24 18:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 18:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 18:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/29/24 12:26	05/29/24 18:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 18:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/24 12:26	05/29/24 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/29/24 12:26*	*05/29/24 18:35*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/29/24 12:26*	*05/29/24 18:35*	*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			05/29/24 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/30/24 15:30	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	<49.7	U	49.7		mg/Kg		05/29/24 14:05	05/30/24 15:30	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/29/24 14:05	05/30/24 15:30	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/29/24 14:05	05/30/24 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*05/29/24 14:05*	*05/30/24 15:30*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/29/24 14:05*	*05/30/24 15:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**183**		5.01		mg/Kg			05/30/24 15:32	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (8')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:26	05/29/24 18:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:26	05/29/24 18:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:26	05/29/24 18:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/29/24 12:26	05/29/24 18:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:26	05/29/24 18:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/29/24 12:26	05/29/24 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/29/24 12:26*	*05/29/24 18:56*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/29/24 12:26*	*05/29/24 18:56*	*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			05/29/24 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/30/24 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/29/24 14:05	05/30/24 15:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/29/24 14:05	05/30/24 15:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/29/24 14:05	05/30/24 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/29/24 14:05*	*05/30/24 15:50*	*1*
o-Terphenyl	*109*		*70 - 130*	*05/29/24 14:05*	*05/30/24 15:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.4**		4.99		mg/Kg			05/30/24 15:39	1

Client Sample ID: T-11 (0-1')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-10
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		05/29/24 12:26	05/29/24 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 19:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/29/24 12:26	05/29/24 19:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 19:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/29/24 12:26	05/29/24 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/29/24 12:26*	*05/29/24 19:16*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/29/24 12:26*	*05/29/24 19:16*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (0-1')

Lab Sample ID: 880-44023-10
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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			05/29/24 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/30/24 16:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/29/24 14:05	05/30/24 16:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/24 14:05	05/30/24 16:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/24 14:05	05/30/24 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*05/29/24 14:05*	*05/30/24 16:11*	*1*
o-Terphenyl	*93*		*70 - 130*	*05/29/24 14:05*	*05/30/24 16:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.4**		5.02		mg/Kg			05/30/24 15:45	1

Client Sample ID: T-11 (1.5')

Lab Sample ID: 880-44023-11
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:26	05/29/24 20:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:26	05/29/24 20:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:26	05/29/24 20:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/29/24 12:26	05/29/24 20:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:26	05/29/24 20:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/29/24 12:26	05/29/24 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/29/24 12:26*	*05/29/24 20:50*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/29/24 12:26*	*05/29/24 20:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/29/24 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			05/30/24 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 16:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 16:32	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (1.5')

Lab Sample ID: 880-44023-11
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 14:05	05/30/24 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*05/29/24 14:05*	*05/30/24 16:32*	*1*
o-Terphenyl	*98*		*70 - 130*	*05/29/24 14:05*	*05/30/24 16:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.3**		5.03		mg/Kg			05/30/24 15:51	1

Client Sample ID: T-11 (2')

Lab Sample ID: 880-44023-12
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:26	05/29/24 21:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 21:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 21:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/29/24 12:26	05/29/24 21:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 21:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/29/24 12:26	05/29/24 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/29/24 12:26*	*05/29/24 21:11*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/29/24 12:26*	*05/29/24 21:11*	*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			05/29/24 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/30/24 16:52	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	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 16:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 16:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/29/24 14:05*	*05/30/24 16:52*	*1*
o-Terphenyl	*101*		*70 - 130*	*05/29/24 14:05*	*05/30/24 16:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.1**		4.97		mg/Kg			05/30/24 15:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (3')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-13

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 21:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 21:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 21:31	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/29/24 12:26	05/29/24 21:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 21:31	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/29/24 12:26	05/29/24 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/29/24 12:26*	*05/29/24 21:31*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/29/24 12:26*	*05/29/24 21:31*	*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			05/29/24 21:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/30/24 17:13	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		05/29/24 14:05	05/30/24 17:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/24 14:05	05/30/24 17:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/24 14:05	05/30/24 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*05/29/24 14:05*	*05/30/24 17:13*	*1*
o-Terphenyl	*116*		*70 - 130*	*05/29/24 14:05*	*05/30/24 17:13*	*1*

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			05/30/24 16:04	1

Client Sample ID: T-11 (4')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-14

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		05/29/24 12:26	05/29/24 21:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 21:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 21:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/29/24 12:26	05/29/24 21:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 21:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/24 12:26	05/29/24 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/29/24 12:26*	*05/29/24 21:52*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/29/24 12:26*	*05/29/24 21:52*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (4')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/29/24 21:52	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			05/30/24 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 17:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 17:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/29/24 14:05	05/30/24 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*05/29/24 14:05*	*05/30/24 17:33*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*05/29/24 14:05*	*05/30/24 17:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		5.00		mg/Kg			05/30/24 16:10	1

Client Sample ID: T-11 (5')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 22:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 22:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 22:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/29/24 12:26	05/29/24 22:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 22:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/24 12:26	05/29/24 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/29/24 12:26*	*05/29/24 22:12*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/29/24 12:26*	*05/29/24 22:12*	*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			05/29/24 22:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/30/24 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	<49.9	U	49.9		mg/Kg		05/29/24 14:05	05/30/24 17:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/24 14:05	05/30/24 17:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (5')

Lab Sample ID: 880-44023-15
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 14:05	05/30/24 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*05/29/24 14:05*	*05/30/24 17:54*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/29/24 14:05*	*05/30/24 17:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**279**	**F1**	5.02		mg/Kg			05/30/24 16:26	1

Client Sample ID: T-11 (6')

Lab Sample ID: 880-44023-16
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:26	05/29/24 22:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:26	05/29/24 22:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:26	05/29/24 22:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/29/24 12:26	05/29/24 22:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:26	05/29/24 22:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/29/24 12:26	05/29/24 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/29/24 12:26*	*05/29/24 22:33*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/29/24 12:26*	*05/29/24 22:33*	*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			05/29/24 22:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/30/24 18:14	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		05/29/24 14:05	05/30/24 18:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/24 14:05	05/30/24 18:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/29/24 14:05	05/30/24 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/29/24 14:05*	*05/30/24 18:14*	*1*
o-Terphenyl	*121*		*70 - 130*	*05/29/24 14:05*	*05/30/24 18:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**234**		5.02		mg/Kg			05/30/24 16:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (7')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 22:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 22:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 22:53	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/29/24 12:26	05/29/24 22:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 22:53	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/29/24 12:26	05/29/24 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/29/24 12:26*	*05/29/24 22:53*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/29/24 12:26*	*05/29/24 22:53*	*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			05/29/24 22:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/30/24 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/29/24 14:05	05/30/24 18:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/24 14:05	05/30/24 18:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/24 14:05	05/30/24 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/29/24 14:05*	*05/30/24 18:34*	*1*
o-Terphenyl	*91*		*70 - 130*	*05/29/24 14:05*	*05/30/24 18:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**185**		5.02		mg/Kg			05/30/24 16:48	1

Client Sample ID: T-11 (8')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 23:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 23:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 23:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/29/24 12:26	05/29/24 23:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 23:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/29/24 12:26	05/29/24 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/29/24 12:26*	*05/29/24 23:13*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/29/24 12:26*	*05/29/24 23:13*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (8')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-18

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/29/24 23:13	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			05/30/24 11:04	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	<50.0	U	50.0		mg/Kg		05/29/24 14:08	05/30/24 11:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		05/29/24 14:08	05/30/24 11:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/24 14:08	05/30/24 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/29/24 14:08*	*05/30/24 11:04*	*1*
o-Terphenyl	*96*		*70 - 130*	*05/29/24 14:08*	*05/30/24 11:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		5.05		mg/Kg			05/30/24 16:54	1

Client Sample ID: T-11 (9')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-19

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 23:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 23:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 23:34	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/29/24 12:26	05/29/24 23:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:26	05/29/24 23:34	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/29/24 12:26	05/29/24 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/29/24 12:26*	*05/29/24 23:34*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/29/24 12:26*	*05/29/24 23:34*	*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			05/29/24 23:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/30/24 12:05	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		05/29/24 14:08	05/30/24 12:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/24 14:08	05/30/24 12:05	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (9')

Lab Sample ID: 880-44023-19
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 14:08	05/30/24 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*05/29/24 14:08*	*05/30/24 12:05*	*1*
o-Terphenyl	*94*		*70 - 130*	*05/29/24 14:08*	*05/30/24 12:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**319**		4.99		mg/Kg			05/30/24 16:59	1

Client Sample ID: T-11 (10')

Lab Sample ID: 880-44023-20
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:26	05/29/24 23:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 23:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 23:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/29/24 12:26	05/29/24 23:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:26	05/29/24 23:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/24 12:26	05/29/24 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*05/29/24 12:26*	*05/29/24 23:54*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/29/24 12:26*	*05/29/24 23:54*	*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			05/29/24 23:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/30/24 12:25	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		05/29/24 14:08	05/30/24 12:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/24 14:08	05/30/24 12:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/29/24 14:08	05/30/24 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/29/24 14:08*	*05/30/24 12:25*	*1*
o-Terphenyl	*88*		*70 - 130*	*05/29/24 14:08*	*05/30/24 12:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.9**		5.00		mg/Kg			05/30/24 17:15	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-26 (0-1')

Lab Sample ID: 880-44023-21
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:29	05/29/24 16:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:29	05/29/24 16:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:29	05/29/24 16:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/29/24 12:29	05/29/24 16:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:29	05/29/24 16:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/29/24 12:29	05/29/24 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/29/24 12:29*	*05/29/24 16:37*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/29/24 12:29*	*05/29/24 16:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/29/24 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	**56.3**		49.8		mg/Kg			05/30/24 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/29/24 14:08	05/30/24 12:46	1
Diesel Range Organics (Over C10-C28)	**56.3**		49.8		mg/Kg		05/29/24 14:08	05/30/24 12:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/29/24 14:08	05/30/24 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*05/29/24 14:08*	*05/30/24 12:46*	*1*
o-Terphenyl	*99*		*70 - 130*	*05/29/24 14:08*	*05/30/24 12:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7800**		50.4		mg/Kg			05/30/24 17:21	10

Client Sample ID: T-26 (1.5')

Lab Sample ID: 880-44023-22
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:29	05/29/24 16:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:29	05/29/24 16:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:29	05/29/24 16:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/29/24 12:29	05/29/24 16:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:29	05/29/24 16:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/24 12:29	05/29/24 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/29/24 12:29*	*05/29/24 16:57*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*05/29/24 12:29*	*05/29/24 16:57*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-26 (1.5')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-22
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/29/24 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	<50.0	U	50.0		mg/Kg			05/30/24 13:06	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	<50.0	U	50.0		mg/Kg		05/29/24 14:08	05/30/24 13:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/24 14:08	05/30/24 13:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/24 14:08	05/30/24 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*05/29/24 14:08*	*05/30/24 13:06*	*1*
o-Terphenyl	*78*		*70 - 130*	*05/29/24 14:08*	*05/30/24 13:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1730**		25.0		mg/Kg			05/30/24 17:26	5

Client Sample ID: T-26 (2')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:29	05/29/24 17:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:29	05/29/24 17:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:29	05/29/24 17:18	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/29/24 12:29	05/29/24 17:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:29	05/29/24 17:18	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/29/24 12:29	05/29/24 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/29/24 12:29*	*05/29/24 17:18*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/29/24 12:29*	*05/29/24 17:18*	*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			05/29/24 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	<49.6	U	49.6		mg/Kg			05/30/24 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/29/24 14:08	05/30/24 13:26	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/29/24 14:08	05/30/24 13:26	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-26 (2')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-23
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)	<49.6	U	49.6		mg/Kg		05/29/24 14:08	05/30/24 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*05/29/24 14:08*	*05/30/24 13:26*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/29/24 14:08*	*05/30/24 13:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**108**		4.98		mg/Kg			05/30/24 17:32	1

Client Sample ID: T-26 (3')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-24
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:29	05/29/24 17:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:29	05/29/24 17:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:29	05/29/24 17:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/29/24 12:29	05/29/24 17:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:29	05/29/24 17:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/29/24 12:29	05/29/24 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/29/24 12:29*	*05/29/24 17:38*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/29/24 12:29*	*05/29/24 17:38*	*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			05/29/24 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	<49.7	U	49.7		mg/Kg			05/30/24 13:47	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	<49.7	U	49.7		mg/Kg		05/29/24 14:08	05/30/24 13:47	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/29/24 14:08	05/30/24 13:47	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/29/24 14:08	05/30/24 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/29/24 14:08*	*05/30/24 13:47*	*1*
o-Terphenyl	*84*		*70 - 130*	*05/29/24 14:08*	*05/30/24 13:47*	*1*

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			05/30/24 17:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-26 (3.5')

Lab Sample ID: 880-44023-25
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:29	05/29/24 17:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:29	05/29/24 17:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:29	05/29/24 17:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/29/24 12:29	05/29/24 17:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:29	05/29/24 17:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/29/24 12:29	05/29/24 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/29/24 12:29*	*05/29/24 17:59*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/29/24 12:29*	*05/29/24 17:59*	*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			05/29/24 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	<49.7	U	49.7		mg/Kg			05/30/24 14:07	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	<49.7	U	49.7		mg/Kg		05/29/24 14:08	05/30/24 14:07	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/29/24 14:08	05/30/24 14:07	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/29/24 14:08	05/30/24 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*05/29/24 14:08*	*05/30/24 14:07*	*1*
o-Terphenyl	*92*		*70 - 130*	*05/29/24 14:08*	*05/30/24 14:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.7**		5.01		mg/Kg			05/30/24 17:43	1

Client Sample ID: T-27 (0-1')

Lab Sample ID: 880-44023-26
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:29	05/29/24 18:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:29	05/29/24 18:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:29	05/29/24 18:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/29/24 12:29	05/29/24 18:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:29	05/29/24 18:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/29/24 12:29	05/29/24 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/29/24 12:29*	*05/29/24 18:19*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*05/29/24 12:29*	*05/29/24 18:19*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-27 (0-1')

Lab Sample ID: 880-44023-26
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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			05/29/24 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	<49.8	U	49.8		mg/Kg			05/30/24 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/29/24 14:08	05/30/24 14:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/24 14:08	05/30/24 14:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/29/24 14:08	05/30/24 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*05/29/24 14:08*	*05/30/24 14:28*	*1*
o-Terphenyl	*83*		*70 - 130*	*05/29/24 14:08*	*05/30/24 14:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9170		50.1		mg/Kg			05/30/24 17:59	10

Client Sample ID: T-27 (1.5')

Lab Sample ID: 880-44023-27
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:29	05/29/24 18:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:29	05/29/24 18:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:29	05/29/24 18:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/29/24 12:29	05/29/24 18:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:29	05/29/24 18:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/29/24 12:29	05/29/24 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/29/24 12:29*	*05/29/24 18:40*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/29/24 12:29*	*05/29/24 18:40*	*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			05/29/24 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	<49.7	U	49.7		mg/Kg			05/30/24 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/29/24 14:08	05/30/24 14:49	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/29/24 14:08	05/30/24 14:49	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-27 (1.5')

Lab Sample ID: 880-44023-27
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 14:08	05/30/24 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/29/24 14:08*	*05/30/24 14:49*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/29/24 14:08*	*05/30/24 14:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3320		24.9		mg/Kg			05/30/24 18:04	5

Client Sample ID: T-27 (2')

Lab Sample ID: 880-44023-28
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:29	05/29/24 19:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:29	05/29/24 19:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:29	05/29/24 19:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/29/24 12:29	05/29/24 19:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:29	05/29/24 19:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/24 12:29	05/29/24 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/29/24 12:29*	*05/29/24 19:00*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/29/24 12:29*	*05/29/24 19:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/29/24 19:00	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			05/30/24 15:30	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	<49.8	U	49.8		mg/Kg		05/29/24 14:08	05/30/24 15:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/24 14:08	05/30/24 15:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/29/24 14:08	05/30/24 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*05/29/24 14:08*	*05/30/24 15:30*	*1*
o-Terphenyl	*83*		*70 - 130*	*05/29/24 14:08*	*05/30/24 15:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3820		25.3		mg/Kg			05/30/24 18:20	5

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-27 (2.5')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-29

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:29	05/29/24 19:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:29	05/29/24 19:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:29	05/29/24 19:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/29/24 12:29	05/29/24 19:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/29/24 12:29	05/29/24 19:21	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/29/24 12:29	05/29/24 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/29/24 12:29*	*05/29/24 19:21*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/29/24 12:29*	*05/29/24 19:21*	*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			05/29/24 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/30/24 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/29/24 14:08	05/30/24 15:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/29/24 14:08	05/30/24 15:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/29/24 14:08	05/30/24 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*05/29/24 14:08*	*05/30/24 15:50*	*1*
o-Terphenyl	*74*		*70 - 130*	*05/29/24 14:08*	*05/30/24 15:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**619**		4.97		mg/Kg			05/30/24 18:26	1

Client Sample ID: T-28 (0-1')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-30

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		05/29/24 12:29	05/29/24 19:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:29	05/29/24 19:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:29	05/29/24 19:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/29/24 12:29	05/29/24 19:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:29	05/29/24 19:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/29/24 12:29	05/29/24 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/29/24 12:29*	*05/29/24 19:41*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/29/24 12:29*	*05/29/24 19:41*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-28 (0-1')

Lab Sample ID: 880-44023-30
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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			05/29/24 19:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**81.9**		49.8		mg/Kg			05/30/24 16:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/29/24 14:08	05/30/24 16:11	1
Diesel Range Organics (Over C10-C28)	**81.9**		49.8		mg/Kg		05/29/24 14:08	05/30/24 16:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/29/24 14:08	05/30/24 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*05/29/24 14:08*	*05/30/24 16:11*	*1*
o-Terphenyl	*80*		*70 - 130*	*05/29/24 14:08*	*05/30/24 16:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<99.2	U	99.2		mg/Kg			05/30/24 18:31	20

Client Sample ID: T-28 (1.5')

Lab Sample ID: 880-44023-31
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:29	05/29/24 21:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:29	05/29/24 21:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:29	05/29/24 21:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/29/24 12:29	05/29/24 21:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/29/24 12:29	05/29/24 21:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/29/24 12:29	05/29/24 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/29/24 12:29*	*05/29/24 21:32*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/29/24 12:29*	*05/29/24 21:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/29/24 21:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/30/24 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/29/24 14:08	05/30/24 16:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/29/24 14:08	05/30/24 16:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-28 (1.5')

Lab Sample ID: 880-44023-31
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 14:08	05/30/24 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*05/29/24 14:08*	*05/30/24 16:32*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/29/24 14:08*	*05/30/24 16:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4210**		24.9		mg/Kg			05/30/24 18:37	5

Client Sample ID: T-28 (2')

Lab Sample ID: 880-44023-32
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:29	05/29/24 21:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:29	05/29/24 21:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:29	05/29/24 21:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/29/24 12:29	05/29/24 21:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:29	05/29/24 21:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/29/24 12:29	05/29/24 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/29/24 12:29*	*05/29/24 21:53*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/29/24 12:29*	*05/29/24 21:53*	*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			05/29/24 21:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/30/24 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/29/24 14:08	05/30/24 16:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/24 14:08	05/30/24 16:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/29/24 14:08	05/30/24 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/29/24 14:08*	*05/30/24 16:52*	*1*
o-Terphenyl	*90*		*70 - 130*	*05/29/24 14:08*	*05/30/24 16:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**56.9**		5.02		mg/Kg			05/30/24 18:42	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-29 (0-1')

Lab Sample ID: 880-44023-33
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:29	05/29/24 22:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:29	05/29/24 22:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:29	05/29/24 22:13	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/29/24 12:29	05/29/24 22:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/29/24 12:29	05/29/24 22:13	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/29/24 12:29	05/29/24 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/29/24 12:29*	*05/29/24 22:13*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*05/29/24 12:29*	*05/29/24 22:13*	*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			05/29/24 22:13	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			05/30/24 17:13	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		05/29/24 14:08	05/30/24 17:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/24 14:08	05/30/24 17:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/24 14:08	05/30/24 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*05/29/24 14:08*	*05/30/24 17:13*	*1*
o-Terphenyl	*93*		*70 - 130*	*05/29/24 14:08*	*05/30/24 17:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7830**		49.7		mg/Kg			05/30/24 18:48	10

Client Sample ID: T-29 (1.5')

Lab Sample ID: 880-44023-34
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:29	05/29/24 22:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:29	05/29/24 22:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:29	05/29/24 22:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/29/24 12:29	05/29/24 22:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:29	05/29/24 22:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/24 12:29	05/29/24 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/29/24 12:29*	*05/29/24 22:34*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*05/29/24 12:29*	*05/29/24 22:34*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-29 (1.5')

Lab Sample ID: 880-44023-34
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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			05/29/24 22:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/30/24 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		05/29/24 14:08	05/30/24 17:33	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/29/24 14:08	05/30/24 17:33	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/29/24 14:08	05/30/24 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/29/24 14:08*	*05/30/24 17:33*	*1*
o-Terphenyl	*94*		*70 - 130*	*05/29/24 14:08*	*05/30/24 17:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**423**		5.00		mg/Kg			05/30/24 18:53	1

Client Sample ID: T-29 (2')

Lab Sample ID: 880-44023-35
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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		05/29/24 12:29	05/29/24 22:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:29	05/29/24 22:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:29	05/29/24 22:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/29/24 12:29	05/29/24 22:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/29/24 12:29	05/29/24 22:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/29/24 12:29	05/29/24 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/29/24 12:29*	*05/29/24 22:54*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*05/29/24 12:29*	*05/29/24 22:54*	*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			05/29/24 22:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/30/24 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	<49.9	U	49.9		mg/Kg		05/29/24 14:08	05/30/24 17:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/24 14:08	05/30/24 17:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-29 (2')

Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-35

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)	<49.9	U	49.9		mg/Kg		05/29/24 14:08	05/30/24 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*150*	*S1+*	*70 - 130*	*05/29/24 14:08*	*05/30/24 17:54*	*1*
o-Terphenyl	*151*	*S1+*	*70 - 130*	*05/29/24 14:08*	*05/30/24 17:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.9**		5.03		mg/Kg			05/30/24 17:01	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-44023-1	T-9 (0-1')	109	100										
880-44023-1 MS	T-9 (0-1')	104	98										
880-44023-1 MSD	T-9 (0-1')	107	100										
880-44023-2	T-9 (1.5')	108	100										
880-44023-3	T-9 (2')	111	101										
880-44023-4	T-9 (3')	110	100										
880-44023-5	T-9 (4')	110	100										
880-44023-6	T-9 (5')	108	100										
880-44023-7	T-9 (6')	109	101										
880-44023-8	T-9 (7')	109	99										
880-44023-9	T-9 (8')	110	100										
880-44023-10	T-11 (0-1')	110	99										
880-44023-11	T-11 (1.5')	113	100										
880-44023-12	T-11 (2')	112	100										
880-44023-13	T-11 (3')	113	98										
880-44023-14	T-11 (4')	113	99										
880-44023-15	T-11 (5')	112	99										
880-44023-16	T-11 (6')	115	99										
880-44023-17	T-11 (7')	115	99										
880-44023-18	T-11 (8')	113	98										
880-44023-19	T-11 (9')	115	98										
880-44023-20	T-11 (10')	114	98										
880-44023-21	T-26 (0-1')	94	100										
880-44023-21 MS	T-26 (0-1')	108	98										
880-44023-21 MSD	T-26 (0-1')	100	100										
880-44023-22	T-26 (1.5')	110	111										
880-44023-23	T-26 (2')	109	104										
880-44023-24	T-26 (3')	109	105										
880-44023-25	T-26 (3.5')	113	107										
880-44023-26	T-27 (0-1')	118	112										
880-44023-27	T-27 (1.5')	107	109										
880-44023-28	T-27 (2')	116	109										
880-44023-29	T-27 (2.5')	115	109										
880-44023-30	T-28 (0-1')	108	99										
880-44023-31	T-28 (1.5')	98	99										
880-44023-32	T-28 (2')	113	109										
880-44023-33	T-29 (0-1')	116	110										
880-44023-34	T-29 (1.5')	117	114										
880-44023-35	T-29 (2')	125	114										
LCS 880-81779/1-A	Lab Control Sample	102	98										
LCS 880-81780/1-A	Lab Control Sample	106	103										
LCSD 880-81779/2-A	Lab Control Sample Dup	102	99										
LCSD 880-81780/2-A	Lab Control Sample Dup	105	102										
MB 880-81779/5-A	Method Blank	105	96										
MB 880-81780/5-A	Method Blank	136 S1+	103										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

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)
880-44023-1	T-9 (0-1')	100	106
880-44023-2	T-9 (1.5')	81	89
880-44023-3	T-9 (2')	94	103
880-44023-4	T-9 (3')	112	114
880-44023-5	T-9 (4')	83	90
880-44023-6	T-9 (5')	102	109
880-44023-7	T-9 (6')	87	96
880-44023-8	T-9 (7')	83	89
880-44023-9	T-9 (8')	105	109
880-44023-10	T-11 (0-1')	89	93
880-44023-11	T-11 (1.5')	90	98
880-44023-12	T-11 (2')	94	101
880-44023-13	T-11 (3')	103	116
880-44023-14	T-11 (4')	120	132 S1+
880-44023-15	T-11 (5')	98	107
880-44023-16	T-11 (6')	107	121
880-44023-17	T-11 (7')	81	91
880-44023-18	T-11 (8')	88	96
880-44023-18 MS	T-11 (8')	84	81
880-44023-18 MSD	T-11 (8')	88	83
880-44023-19	T-11 (9')	90	94
880-44023-20	T-11 (10')	84	88
880-44023-21	T-26 (0-1')	95	99
880-44023-22	T-26 (1.5')	75	78
880-44023-23	T-26 (2')	82	86
880-44023-24	T-26 (3')	81	84
880-44023-25	T-26 (3.5')	85	92
880-44023-26	T-27 (0-1')	78	83
880-44023-27	T-27 (1.5')	84	90
880-44023-28	T-27 (2')	74	83
880-44023-29	T-27 (2.5')	68 S1-	74
880-44023-30	T-28 (0-1')	77	80
880-44023-31	T-28 (1.5')	83	90
880-44023-32	T-28 (2')	87	90
880-44023-33	T-29 (0-1')	89	93
880-44023-34	T-29 (1.5')	88	94
880-44023-35	T-29 (2')	150 S1+	151 S1+
880-44025-A-2-G MS	Matrix Spike	83	82
880-44025-A-2-H MSD	Matrix Spike Duplicate	82	82
LCS 880-81792/2-A	Lab Control Sample	100	101
LCS 880-81796/2-A	Lab Control Sample	106	103
LCSD 880-81792/3-A	Lab Control Sample Dup	90	93
LCSD 880-81796/3-A	Lab Control Sample Dup	110	110
MB 880-81792/1-A	Method Blank	97	107
MB 880-81796/1-A	Method Blank	93	104

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-81779/5-A
Matrix: Solid
Analysis Batch: 81752

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 81779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 15:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 15:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 15:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/29/24 12:26	05/29/24 15:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:26	05/29/24 15:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/29/24 12:26	05/29/24 15:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/29/24 12:26*	*05/29/24 15:50*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/29/24 12:26*	*05/29/24 15:50*	*1*

Lab Sample ID: LCS 880-81779/1-A
Matrix: Solid
Analysis Batch: 81752

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 81779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1025		mg/Kg		103	70 - 130
Toluene	0.100	0.09337		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09483		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1989		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09894		mg/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-81779/2-A
Matrix: Solid
Analysis Batch: 81752

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 81779

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09491		mg/Kg		95	70 - 130	8	35
Toluene	0.100	0.08623		mg/Kg		86	70 - 130	8	35
Ethylbenzene	0.100	0.08712		mg/Kg		87	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1832		mg/Kg		92	70 - 130	8	35
o-Xylene	0.100	0.09194		mg/Kg		92	70 - 130	7	35

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

Lab Sample ID: 880-44023-1 MS
Matrix: Solid
Analysis Batch: 81752

Client Sample ID: T-9 (0-1')
Prep Type: Total/NA
Prep Batch: 81779

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1003		mg/Kg		101	70 - 130
Toluene	<0.00199	U	0.0996	0.09047		mg/Kg		91	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44023-1 MS
Matrix: Solid
Analysis Batch: 81752

Client Sample ID: T-9 (0-1')
Prep Type: Total/NA
Prep Batch: 81779

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.08921		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1867		mg/Kg		94	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09281		mg/Kg		93	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-44023-1 MSD
Matrix: Solid
Analysis Batch: 81752

Client Sample ID: T-9 (0-1')
Prep Type: Total/NA
Prep Batch: 81779

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	0.1143		mg/Kg		113	70 - 130	13	35
Toluene	<0.00199	U	0.101	0.1033		mg/Kg		102	70 - 130	13	35
Ethylbenzene	<0.00199	U	0.101	0.1029		mg/Kg		102	70 - 130	14	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2153		mg/Kg		107	70 - 130	14	35
o-Xylene	<0.00199	U	0.101	0.1071		mg/Kg		106	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-81780/5-A
Matrix: Solid
Analysis Batch: 81747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 81780

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:29	05/29/24 16:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:29	05/29/24 16:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:29	05/29/24 16:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/29/24 12:29	05/29/24 16:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/24 12:29	05/29/24 16:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/29/24 12:29	05/29/24 16:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*05/29/24 12:29*	*05/29/24 16:08*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/29/24 12:29*	*05/29/24 16:08*	*1*

Lab Sample ID: LCS 880-81780/1-A
Matrix: Solid
Analysis Batch: 81747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 81780

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1142		mg/Kg		114	70 - 130
Toluene	0.100	0.1053		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1196		mg/Kg		120	70 - 130
m-Xylene & p-Xylene	0.200	0.2222		mg/Kg		111	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-81780/1-A
Matrix: Solid
Analysis Batch: 81747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 81780

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1222		mg/Kg		122	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-81780/2-A
Matrix: Solid
Analysis Batch: 81747

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 81780

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1058		mg/Kg		106	70 - 130	8	35
Toluene			0.100	0.09630		mg/Kg		96	70 - 130	9	35
Ethylbenzene			0.100	0.1105		mg/Kg		110	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2093		mg/Kg		105	70 - 130	6	35
o-Xylene			0.100	0.1160		mg/Kg		116	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-44023-21 MS
Matrix: Solid
Analysis Batch: 81747

Client Sample ID: T-26 (0-1')
Prep Type: Total/NA
Prep Batch: 81780

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0996	0.1066		mg/Kg		107	70 - 130		
Toluene	<0.00199	U	0.0996	0.1068		mg/Kg		107	70 - 130		
Ethylbenzene	<0.00199	U	0.0996	0.09795		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1843		mg/Kg		93	70 - 130		
o-Xylene	<0.00199	U	0.0996	0.1134		mg/Kg		114	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-44023-21 MSD
Matrix: Solid
Analysis Batch: 81747

Client Sample ID: T-26 (0-1')
Prep Type: Total/NA
Prep Batch: 81780

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	0.1037		mg/Kg		103	70 - 130	3	35
Toluene	<0.00199	U	0.101	0.1017		mg/Kg		101	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.101	0.09589		mg/Kg		95	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1868		mg/Kg		93	70 - 130	1	35
o-Xylene	<0.00199	U	0.101	0.1047		mg/Kg		104	70 - 130	8	35

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44023-21 MSD
Matrix: Solid
Analysis Batch: 81747

Client Sample ID: T-26 (0-1')
Prep Type: Total/NA
Prep Batch: 81780

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

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

Lab Sample ID: MB 880-81792/1-A
Matrix: Solid
Analysis Batch: 81846

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 81792

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		05/29/24 14:05	05/30/24 08:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/24 14:05	05/30/24 08:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/24 14:05	05/30/24 08:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*97*		*70 - 130*	*05/29/24 14:05*	*05/30/24 08:43*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/29/24 14:05*	*05/30/24 08:43*	*1*

Lab Sample ID: LCS 880-81792/2-A
Matrix: Solid
Analysis Batch: 81846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 81792

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	945.1		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	955.7		mg/Kg		96	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-81792/3-A
Matrix: Solid
Analysis Batch: 81846

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 81792

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	927.5		mg/Kg		93	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	930.6		mg/Kg		93	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-44025-A-2-G MS
Matrix: Solid
Analysis Batch: 81846

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 81792

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	1000	858.7		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	530	F1	1000	934.0	F1	mg/Kg		40	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Lab Sample ID: 880-44025-A-2-H MSD
Matrix: Solid
Analysis Batch: 81846

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 81792

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	1000	840.4		mg/Kg		84	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	530	F1	1000	897.4	F1	mg/Kg		37	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Lab Sample ID: MB 880-81796/1-A
Matrix: Solid
Analysis Batch: 81848

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 81796

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		05/29/24 14:08	05/30/24 08:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/24 14:08	05/30/24 08:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/24 14:08	05/30/24 08:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/29/24 14:08*	*05/30/24 08:43*	*1*
o-Terphenyl	*104*		*70 - 130*	*05/29/24 14:08*	*05/30/24 08:43*	*1*

Lab Sample ID: LCS 880-81796/2-A
Matrix: Solid
Analysis Batch: 81848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 81796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1118		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1196		mg/Kg		120	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-81796/2-A
Matrix: Solid
Analysis Batch: 81848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 81796

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-81796/3-A
Matrix: Solid
Analysis Batch: 81848

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 81796

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1002		mg/Kg		100	70 - 130	11	20
Diesel Range Organics (Over C10-C28)			1000	1075		mg/Kg		107	70 - 130	11	20

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

Lab Sample ID: 880-44023-18 MS
Matrix: Solid
Analysis Batch: 81848

Client Sample ID: T-11 (8')
Prep Type: Total/NA
Prep Batch: 81796

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	936.4		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	522.6	F1	mg/Kg		52	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-44023-18 MSD
Matrix: Solid
Analysis Batch: 81848

Client Sample ID: T-11 (8')
Prep Type: Total/NA
Prep Batch: 81796

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	967.0		mg/Kg		96	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	546.2	F1	mg/Kg		55	70 - 130	4	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: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-81831/1-A
Matrix: Solid
Analysis Batch: 81876

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			05/30/24 13:00	1

Lab Sample ID: LCS 880-81831/2-A
Matrix: Solid
Analysis Batch: 81876

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.3		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-81831/3-A
Matrix: Solid
Analysis Batch: 81876

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	244.4		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-44023-5 MS
Matrix: Solid
Analysis Batch: 81876

Client Sample ID: T-9 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	106	F1	249	306.5	F1	mg/Kg		81	90 - 110

Lab Sample ID: 880-44023-5 MSD
Matrix: Solid
Analysis Batch: 81876

Client Sample ID: T-9 (4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	106	F1	249	304.8	F1	mg/Kg		80	90 - 110	1	20

Lab Sample ID: MB 880-81832/1-A
Matrix: Solid
Analysis Batch: 81888

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			05/30/24 16:10	1

Lab Sample ID: LCS 880-81832/2-A
Matrix: Solid
Analysis Batch: 81888

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.6		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-81832/3-A
Matrix: Solid
Analysis Batch: 81888

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	245.8		mg/Kg		98	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-44023-15 MS
Matrix: Solid
Analysis Batch: 81888

Client Sample ID: T-11 (5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	279	F1	251	485.2	F1	mg/Kg		82	90 - 110

Lab Sample ID: 880-44023-15 MSD
Matrix: Solid
Analysis Batch: 81888

Client Sample ID: T-11 (5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	279	F1	251	487.3	F1	mg/Kg		83	90 - 110	0	20

Lab Sample ID: 880-44023-25 MS
Matrix: Solid
Analysis Batch: 81888

Client Sample ID: T-26 (3.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	57.7		251	298.1		mg/Kg		96	90 - 110

Lab Sample ID: 880-44023-25 MSD
Matrix: Solid
Analysis Batch: 81888

Client Sample ID: T-26 (3.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	57.7		251	298.3		mg/Kg		96	90 - 110	0	20

Lab Sample ID: MB 880-81833/1-A
Matrix: Solid
Analysis Batch: 81891

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			05/30/24 16:42	1

Lab Sample ID: LCS 880-81833/2-A
Matrix: Solid
Analysis Batch: 81891

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.9		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-81833/3-A
Matrix: Solid
Analysis Batch: 81891

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	245.6		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-44023-35 MS
Matrix: Solid
Analysis Batch: 81891

Client Sample ID: T-29 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.9		252	307.7		mg/Kg		103	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-44023-35 MSD
Matrix: Solid
Analysis Batch: 81891

Client Sample ID: T-29 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	49.9		252	309.3		mg/Kg		103	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 81747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-21	T-26 (0-1')	Total/NA	Solid	8021B	81780
880-44023-22	T-26 (1.5')	Total/NA	Solid	8021B	81780
880-44023-23	T-26 (2')	Total/NA	Solid	8021B	81780
880-44023-24	T-26 (3')	Total/NA	Solid	8021B	81780
880-44023-25	T-26 (3.5')	Total/NA	Solid	8021B	81780
880-44023-26	T-27 (0-1')	Total/NA	Solid	8021B	81780
880-44023-27	T-27 (1.5')	Total/NA	Solid	8021B	81780
880-44023-28	T-27 (2')	Total/NA	Solid	8021B	81780
880-44023-29	T-27 (2.5')	Total/NA	Solid	8021B	81780
880-44023-30	T-28 (0-1')	Total/NA	Solid	8021B	81780
880-44023-31	T-28 (1.5')	Total/NA	Solid	8021B	81780
880-44023-32	T-28 (2')	Total/NA	Solid	8021B	81780
880-44023-33	T-29 (0-1')	Total/NA	Solid	8021B	81780
880-44023-34	T-29 (1.5')	Total/NA	Solid	8021B	81780
880-44023-35	T-29 (2')	Total/NA	Solid	8021B	81780
MB 880-81780/5-A	Method Blank	Total/NA	Solid	8021B	81780
LCS 880-81780/1-A	Lab Control Sample	Total/NA	Solid	8021B	81780
LCSD 880-81780/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	81780
880-44023-21 MS	T-26 (0-1')	Total/NA	Solid	8021B	81780
880-44023-21 MSD	T-26 (0-1')	Total/NA	Solid	8021B	81780

Analysis Batch: 81752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-1	T-9 (0-1')	Total/NA	Solid	8021B	81779
880-44023-2	T-9 (1.5')	Total/NA	Solid	8021B	81779
880-44023-3	T-9 (2')	Total/NA	Solid	8021B	81779
880-44023-4	T-9 (3')	Total/NA	Solid	8021B	81779
880-44023-5	T-9 (4')	Total/NA	Solid	8021B	81779
880-44023-6	T-9 (5')	Total/NA	Solid	8021B	81779
880-44023-7	T-9 (6')	Total/NA	Solid	8021B	81779
880-44023-8	T-9 (7')	Total/NA	Solid	8021B	81779
880-44023-9	T-9 (8')	Total/NA	Solid	8021B	81779
880-44023-10	T-11 (0-1')	Total/NA	Solid	8021B	81779
880-44023-11	T-11 (1.5')	Total/NA	Solid	8021B	81779
880-44023-12	T-11 (2')	Total/NA	Solid	8021B	81779
880-44023-13	T-11 (3')	Total/NA	Solid	8021B	81779
880-44023-14	T-11 (4')	Total/NA	Solid	8021B	81779
880-44023-15	T-11 (5')	Total/NA	Solid	8021B	81779
880-44023-16	T-11 (6')	Total/NA	Solid	8021B	81779
880-44023-17	T-11 (7')	Total/NA	Solid	8021B	81779
880-44023-18	T-11 (8')	Total/NA	Solid	8021B	81779
880-44023-19	T-11 (9')	Total/NA	Solid	8021B	81779
880-44023-20	T-11 (10')	Total/NA	Solid	8021B	81779
MB 880-81779/5-A	Method Blank	Total/NA	Solid	8021B	81779
LCS 880-81779/1-A	Lab Control Sample	Total/NA	Solid	8021B	81779
LCSD 880-81779/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	81779
880-44023-1 MS	T-9 (0-1')	Total/NA	Solid	8021B	81779
880-44023-1 MSD	T-9 (0-1')	Total/NA	Solid	8021B	81779

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 81779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-1	T-9 (0-1')	Total/NA	Solid	5035	
880-44023-2	T-9 (1.5')	Total/NA	Solid	5035	
880-44023-3	T-9 (2')	Total/NA	Solid	5035	
880-44023-4	T-9 (3')	Total/NA	Solid	5035	
880-44023-5	T-9 (4')	Total/NA	Solid	5035	
880-44023-6	T-9 (5')	Total/NA	Solid	5035	
880-44023-7	T-9 (6')	Total/NA	Solid	5035	
880-44023-8	T-9 (7')	Total/NA	Solid	5035	
880-44023-9	T-9 (8')	Total/NA	Solid	5035	
880-44023-10	T-11 (0-1')	Total/NA	Solid	5035	
880-44023-11	T-11 (1.5')	Total/NA	Solid	5035	
880-44023-12	T-11 (2')	Total/NA	Solid	5035	
880-44023-13	T-11 (3')	Total/NA	Solid	5035	
880-44023-14	T-11 (4')	Total/NA	Solid	5035	
880-44023-15	T-11 (5')	Total/NA	Solid	5035	
880-44023-16	T-11 (6')	Total/NA	Solid	5035	
880-44023-17	T-11 (7')	Total/NA	Solid	5035	
880-44023-18	T-11 (8')	Total/NA	Solid	5035	
880-44023-19	T-11 (9')	Total/NA	Solid	5035	
880-44023-20	T-11 (10')	Total/NA	Solid	5035	
MB 880-81779/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-81779/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-81779/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-44023-1 MS	T-9 (0-1')	Total/NA	Solid	5035	
880-44023-1 MSD	T-9 (0-1')	Total/NA	Solid	5035	

Prep Batch: 81780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-21	T-26 (0-1')	Total/NA	Solid	5035	
880-44023-22	T-26 (1.5')	Total/NA	Solid	5035	
880-44023-23	T-26 (2')	Total/NA	Solid	5035	
880-44023-24	T-26 (3')	Total/NA	Solid	5035	
880-44023-25	T-26 (3.5')	Total/NA	Solid	5035	
880-44023-26	T-27 (0-1')	Total/NA	Solid	5035	
880-44023-27	T-27 (1.5')	Total/NA	Solid	5035	
880-44023-28	T-27 (2')	Total/NA	Solid	5035	
880-44023-29	T-27 (2.5')	Total/NA	Solid	5035	
880-44023-30	T-28 (0-1')	Total/NA	Solid	5035	
880-44023-31	T-28 (1.5')	Total/NA	Solid	5035	
880-44023-32	T-28 (2')	Total/NA	Solid	5035	
880-44023-33	T-29 (0-1')	Total/NA	Solid	5035	
880-44023-34	T-29 (1.5')	Total/NA	Solid	5035	
880-44023-35	T-29 (2')	Total/NA	Solid	5035	
MB 880-81780/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-81780/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-81780/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-44023-21 MS	T-26 (0-1')	Total/NA	Solid	5035	
880-44023-21 MSD	T-26 (0-1')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 81946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-1	T-9 (0-1')	Total/NA	Solid	Total BTEX	
880-44023-2	T-9 (1.5')	Total/NA	Solid	Total BTEX	
880-44023-3	T-9 (2')	Total/NA	Solid	Total BTEX	
880-44023-4	T-9 (3')	Total/NA	Solid	Total BTEX	
880-44023-5	T-9 (4')	Total/NA	Solid	Total BTEX	
880-44023-6	T-9 (5')	Total/NA	Solid	Total BTEX	
880-44023-7	T-9 (6')	Total/NA	Solid	Total BTEX	
880-44023-8	T-9 (7')	Total/NA	Solid	Total BTEX	
880-44023-9	T-9 (8')	Total/NA	Solid	Total BTEX	
880-44023-10	T-11 (0-1')	Total/NA	Solid	Total BTEX	
880-44023-11	T-11 (1.5')	Total/NA	Solid	Total BTEX	
880-44023-12	T-11 (2')	Total/NA	Solid	Total BTEX	
880-44023-13	T-11 (3')	Total/NA	Solid	Total BTEX	
880-44023-14	T-11 (4')	Total/NA	Solid	Total BTEX	
880-44023-15	T-11 (5')	Total/NA	Solid	Total BTEX	
880-44023-16	T-11 (6')	Total/NA	Solid	Total BTEX	
880-44023-17	T-11 (7')	Total/NA	Solid	Total BTEX	
880-44023-18	T-11 (8')	Total/NA	Solid	Total BTEX	
880-44023-19	T-11 (9')	Total/NA	Solid	Total BTEX	
880-44023-20	T-11 (10')	Total/NA	Solid	Total BTEX	
880-44023-21	T-26 (0-1')	Total/NA	Solid	Total BTEX	
880-44023-22	T-26 (1.5')	Total/NA	Solid	Total BTEX	
880-44023-23	T-26 (2')	Total/NA	Solid	Total BTEX	
880-44023-24	T-26 (3')	Total/NA	Solid	Total BTEX	
880-44023-25	T-26 (3.5')	Total/NA	Solid	Total BTEX	
880-44023-26	T-27 (0-1')	Total/NA	Solid	Total BTEX	
880-44023-27	T-27 (1.5')	Total/NA	Solid	Total BTEX	
880-44023-28	T-27 (2')	Total/NA	Solid	Total BTEX	
880-44023-29	T-27 (2.5')	Total/NA	Solid	Total BTEX	
880-44023-30	T-28 (0-1')	Total/NA	Solid	Total BTEX	
880-44023-31	T-28 (1.5')	Total/NA	Solid	Total BTEX	
880-44023-32	T-28 (2')	Total/NA	Solid	Total BTEX	
880-44023-33	T-29 (0-1')	Total/NA	Solid	Total BTEX	
880-44023-34	T-29 (1.5')	Total/NA	Solid	Total BTEX	
880-44023-35	T-29 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 81792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-1	T-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-44023-2	T-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-44023-3	T-9 (2')	Total/NA	Solid	8015NM Prep	
880-44023-4	T-9 (3')	Total/NA	Solid	8015NM Prep	
880-44023-5	T-9 (4')	Total/NA	Solid	8015NM Prep	
880-44023-6	T-9 (5')	Total/NA	Solid	8015NM Prep	
880-44023-7	T-9 (6')	Total/NA	Solid	8015NM Prep	
880-44023-8	T-9 (7')	Total/NA	Solid	8015NM Prep	
880-44023-9	T-9 (8')	Total/NA	Solid	8015NM Prep	
880-44023-10	T-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-44023-11	T-11 (1.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 81792 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-12	T-11 (2')	Total/NA	Solid	8015NM Prep	
880-44023-13	T-11 (3')	Total/NA	Solid	8015NM Prep	
880-44023-14	T-11 (4')	Total/NA	Solid	8015NM Prep	
880-44023-15	T-11 (5')	Total/NA	Solid	8015NM Prep	
880-44023-16	T-11 (6')	Total/NA	Solid	8015NM Prep	
880-44023-17	T-11 (7')	Total/NA	Solid	8015NM Prep	
MB 880-81792/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-81792/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-81792/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-44025-A-2-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-44025-A-2-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 81796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-18	T-11 (8')	Total/NA	Solid	8015NM Prep	
880-44023-19	T-11 (9')	Total/NA	Solid	8015NM Prep	
880-44023-20	T-11 (10')	Total/NA	Solid	8015NM Prep	
880-44023-21	T-26 (0-1')	Total/NA	Solid	8015NM Prep	
880-44023-22	T-26 (1.5')	Total/NA	Solid	8015NM Prep	
880-44023-23	T-26 (2')	Total/NA	Solid	8015NM Prep	
880-44023-24	T-26 (3')	Total/NA	Solid	8015NM Prep	
880-44023-25	T-26 (3.5')	Total/NA	Solid	8015NM Prep	
880-44023-26	T-27 (0-1')	Total/NA	Solid	8015NM Prep	
880-44023-27	T-27 (1.5')	Total/NA	Solid	8015NM Prep	
880-44023-28	T-27 (2')	Total/NA	Solid	8015NM Prep	
880-44023-29	T-27 (2.5')	Total/NA	Solid	8015NM Prep	
880-44023-30	T-28 (0-1')	Total/NA	Solid	8015NM Prep	
880-44023-31	T-28 (1.5')	Total/NA	Solid	8015NM Prep	
880-44023-32	T-28 (2')	Total/NA	Solid	8015NM Prep	
880-44023-33	T-29 (0-1')	Total/NA	Solid	8015NM Prep	
880-44023-34	T-29 (1.5')	Total/NA	Solid	8015NM Prep	
880-44023-35	T-29 (2')	Total/NA	Solid	8015NM Prep	
MB 880-81796/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-81796/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-81796/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-44023-18 MS	T-11 (8')	Total/NA	Solid	8015NM Prep	
880-44023-18 MSD	T-11 (8')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 81846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-1	T-9 (0-1')	Total/NA	Solid	8015B NM	81792
880-44023-2	T-9 (1.5')	Total/NA	Solid	8015B NM	81792
880-44023-3	T-9 (2')	Total/NA	Solid	8015B NM	81792
880-44023-4	T-9 (3')	Total/NA	Solid	8015B NM	81792
880-44023-5	T-9 (4')	Total/NA	Solid	8015B NM	81792
880-44023-6	T-9 (5')	Total/NA	Solid	8015B NM	81792
880-44023-7	T-9 (6')	Total/NA	Solid	8015B NM	81792
880-44023-8	T-9 (7')	Total/NA	Solid	8015B NM	81792
880-44023-9	T-9 (8')	Total/NA	Solid	8015B NM	81792
880-44023-10	T-11 (0-1')	Total/NA	Solid	8015B NM	81792
880-44023-11	T-11 (1.5')	Total/NA	Solid	8015B NM	81792

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 81846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-12	T-11 (2')	Total/NA	Solid	8015B NM	81792
880-44023-13	T-11 (3')	Total/NA	Solid	8015B NM	81792
880-44023-14	T-11 (4')	Total/NA	Solid	8015B NM	81792
880-44023-15	T-11 (5')	Total/NA	Solid	8015B NM	81792
880-44023-16	T-11 (6')	Total/NA	Solid	8015B NM	81792
880-44023-17	T-11 (7')	Total/NA	Solid	8015B NM	81792
MB 880-81792/1-A	Method Blank	Total/NA	Solid	8015B NM	81792
LCS 880-81792/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	81792
LCSD 880-81792/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	81792
880-44025-A-2-G MS	Matrix Spike	Total/NA	Solid	8015B NM	81792
880-44025-A-2-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	81792

Analysis Batch: 81848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-18	T-11 (8')	Total/NA	Solid	8015B NM	81796
880-44023-19	T-11 (9')	Total/NA	Solid	8015B NM	81796
880-44023-20	T-11 (10')	Total/NA	Solid	8015B NM	81796
880-44023-21	T-26 (0-1')	Total/NA	Solid	8015B NM	81796
880-44023-22	T-26 (1.5')	Total/NA	Solid	8015B NM	81796
880-44023-23	T-26 (2')	Total/NA	Solid	8015B NM	81796
880-44023-24	T-26 (3')	Total/NA	Solid	8015B NM	81796
880-44023-25	T-26 (3.5')	Total/NA	Solid	8015B NM	81796
880-44023-26	T-27 (0-1')	Total/NA	Solid	8015B NM	81796
880-44023-27	T-27 (1.5')	Total/NA	Solid	8015B NM	81796
880-44023-28	T-27 (2')	Total/NA	Solid	8015B NM	81796
880-44023-29	T-27 (2.5')	Total/NA	Solid	8015B NM	81796
880-44023-30	T-28 (0-1')	Total/NA	Solid	8015B NM	81796
880-44023-31	T-28 (1.5')	Total/NA	Solid	8015B NM	81796
880-44023-32	T-28 (2')	Total/NA	Solid	8015B NM	81796
880-44023-33	T-29 (0-1')	Total/NA	Solid	8015B NM	81796
880-44023-34	T-29 (1.5')	Total/NA	Solid	8015B NM	81796
880-44023-35	T-29 (2')	Total/NA	Solid	8015B NM	81796
MB 880-81796/1-A	Method Blank	Total/NA	Solid	8015B NM	81796
LCS 880-81796/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	81796
LCSD 880-81796/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	81796
880-44023-18 MS	T-11 (8')	Total/NA	Solid	8015B NM	81796
880-44023-18 MSD	T-11 (8')	Total/NA	Solid	8015B NM	81796

Analysis Batch: 82053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-1	T-9 (0-1')	Total/NA	Solid	8015 NM	
880-44023-2	T-9 (1.5')	Total/NA	Solid	8015 NM	
880-44023-3	T-9 (2')	Total/NA	Solid	8015 NM	
880-44023-4	T-9 (3')	Total/NA	Solid	8015 NM	
880-44023-5	T-9 (4')	Total/NA	Solid	8015 NM	
880-44023-6	T-9 (5')	Total/NA	Solid	8015 NM	
880-44023-7	T-9 (6')	Total/NA	Solid	8015 NM	
880-44023-8	T-9 (7')	Total/NA	Solid	8015 NM	
880-44023-9	T-9 (8')	Total/NA	Solid	8015 NM	
880-44023-10	T-11 (0-1')	Total/NA	Solid	8015 NM	
880-44023-11	T-11 (1.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 82053 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-12	T-11 (2')	Total/NA	Solid	8015 NM	
880-44023-13	T-11 (3')	Total/NA	Solid	8015 NM	
880-44023-14	T-11 (4')	Total/NA	Solid	8015 NM	
880-44023-15	T-11 (5')	Total/NA	Solid	8015 NM	
880-44023-16	T-11 (6')	Total/NA	Solid	8015 NM	
880-44023-17	T-11 (7')	Total/NA	Solid	8015 NM	
880-44023-18	T-11 (8')	Total/NA	Solid	8015 NM	
880-44023-19	T-11 (9')	Total/NA	Solid	8015 NM	
880-44023-20	T-11 (10')	Total/NA	Solid	8015 NM	
880-44023-21	T-26 (0-1')	Total/NA	Solid	8015 NM	
880-44023-22	T-26 (1.5')	Total/NA	Solid	8015 NM	
880-44023-23	T-26 (2')	Total/NA	Solid	8015 NM	
880-44023-24	T-26 (3')	Total/NA	Solid	8015 NM	
880-44023-25	T-26 (3.5')	Total/NA	Solid	8015 NM	
880-44023-26	T-27 (0-1')	Total/NA	Solid	8015 NM	
880-44023-27	T-27 (1.5')	Total/NA	Solid	8015 NM	
880-44023-28	T-27 (2')	Total/NA	Solid	8015 NM	
880-44023-29	T-27 (2.5')	Total/NA	Solid	8015 NM	
880-44023-30	T-28 (0-1')	Total/NA	Solid	8015 NM	
880-44023-31	T-28 (1.5')	Total/NA	Solid	8015 NM	
880-44023-32	T-28 (2')	Total/NA	Solid	8015 NM	
880-44023-33	T-29 (0-1')	Total/NA	Solid	8015 NM	
880-44023-34	T-29 (1.5')	Total/NA	Solid	8015 NM	
880-44023-35	T-29 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 81831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-1	T-9 (0-1')	Soluble	Solid	DI Leach	
880-44023-2	T-9 (1.5')	Soluble	Solid	DI Leach	
880-44023-3	T-9 (2')	Soluble	Solid	DI Leach	
880-44023-4	T-9 (3')	Soluble	Solid	DI Leach	
880-44023-5	T-9 (4')	Soluble	Solid	DI Leach	
880-44023-6	T-9 (5')	Soluble	Solid	DI Leach	
880-44023-7	T-9 (6')	Soluble	Solid	DI Leach	
880-44023-8	T-9 (7')	Soluble	Solid	DI Leach	
880-44023-9	T-9 (8')	Soluble	Solid	DI Leach	
880-44023-10	T-11 (0-1')	Soluble	Solid	DI Leach	
880-44023-11	T-11 (1.5')	Soluble	Solid	DI Leach	
880-44023-12	T-11 (2')	Soluble	Solid	DI Leach	
880-44023-13	T-11 (3')	Soluble	Solid	DI Leach	
880-44023-14	T-11 (4')	Soluble	Solid	DI Leach	
MB 880-81831/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-81831/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-81831/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-44023-5 MS	T-9 (4')	Soluble	Solid	DI Leach	
880-44023-5 MSD	T-9 (4')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 81832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-15	T-11 (5')	Soluble	Solid	DI Leach	
880-44023-16	T-11 (6')	Soluble	Solid	DI Leach	
880-44023-17	T-11 (7')	Soluble	Solid	DI Leach	
880-44023-18	T-11 (8')	Soluble	Solid	DI Leach	
880-44023-19	T-11 (9')	Soluble	Solid	DI Leach	
880-44023-20	T-11 (10')	Soluble	Solid	DI Leach	
880-44023-21	T-26 (0-1')	Soluble	Solid	DI Leach	
880-44023-22	T-26 (1.5')	Soluble	Solid	DI Leach	
880-44023-23	T-26 (2')	Soluble	Solid	DI Leach	
880-44023-24	T-26 (3')	Soluble	Solid	DI Leach	
880-44023-25	T-26 (3.5')	Soluble	Solid	DI Leach	
880-44023-26	T-27 (0-1')	Soluble	Solid	DI Leach	
880-44023-27	T-27 (1.5')	Soluble	Solid	DI Leach	
880-44023-28	T-27 (2')	Soluble	Solid	DI Leach	
880-44023-29	T-27 (2.5')	Soluble	Solid	DI Leach	
880-44023-30	T-28 (0-1')	Soluble	Solid	DI Leach	
880-44023-31	T-28 (1.5')	Soluble	Solid	DI Leach	
880-44023-32	T-28 (2')	Soluble	Solid	DI Leach	
880-44023-33	T-29 (0-1')	Soluble	Solid	DI Leach	
880-44023-34	T-29 (1.5')	Soluble	Solid	DI Leach	
MB 880-81832/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-81832/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-81832/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-44023-15 MS	T-11 (5')	Soluble	Solid	DI Leach	
880-44023-15 MSD	T-11 (5')	Soluble	Solid	DI Leach	
880-44023-25 MS	T-26 (3.5')	Soluble	Solid	DI Leach	
880-44023-25 MSD	T-26 (3.5')	Soluble	Solid	DI Leach	

Leach Batch: 81833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-35	T-29 (2')	Soluble	Solid	DI Leach	
MB 880-81833/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-81833/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-81833/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-44023-35 MS	T-29 (2')	Soluble	Solid	DI Leach	
880-44023-35 MSD	T-29 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 81876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-1	T-9 (0-1')	Soluble	Solid	300.0	81831
880-44023-2	T-9 (1.5')	Soluble	Solid	300.0	81831
880-44023-3	T-9 (2')	Soluble	Solid	300.0	81831
880-44023-4	T-9 (3')	Soluble	Solid	300.0	81831
880-44023-5	T-9 (4')	Soluble	Solid	300.0	81831
880-44023-6	T-9 (5')	Soluble	Solid	300.0	81831
880-44023-7	T-9 (6')	Soluble	Solid	300.0	81831
880-44023-8	T-9 (7')	Soluble	Solid	300.0	81831
880-44023-9	T-9 (8')	Soluble	Solid	300.0	81831
880-44023-10	T-11 (0-1')	Soluble	Solid	300.0	81831
880-44023-11	T-11 (1.5')	Soluble	Solid	300.0	81831
880-44023-12	T-11 (2')	Soluble	Solid	300.0	81831

QC Association Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 81876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-13	T-11 (3')	Soluble	Solid	300.0	81831
880-44023-14	T-11 (4')	Soluble	Solid	300.0	81831
MB 880-81831/1-A	Method Blank	Soluble	Solid	300.0	81831
LCS 880-81831/2-A	Lab Control Sample	Soluble	Solid	300.0	81831
LCSD 880-81831/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	81831
880-44023-5 MS	T-9 (4')	Soluble	Solid	300.0	81831
880-44023-5 MSD	T-9 (4')	Soluble	Solid	300.0	81831

Analysis Batch: 81888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-15	T-11 (5')	Soluble	Solid	300.0	81832
880-44023-16	T-11 (6')	Soluble	Solid	300.0	81832
880-44023-17	T-11 (7')	Soluble	Solid	300.0	81832
880-44023-18	T-11 (8')	Soluble	Solid	300.0	81832
880-44023-19	T-11 (9')	Soluble	Solid	300.0	81832
880-44023-20	T-11 (10')	Soluble	Solid	300.0	81832
880-44023-21	T-26 (0-1')	Soluble	Solid	300.0	81832
880-44023-22	T-26 (1.5')	Soluble	Solid	300.0	81832
880-44023-23	T-26 (2')	Soluble	Solid	300.0	81832
880-44023-24	T-26 (3')	Soluble	Solid	300.0	81832
880-44023-25	T-26 (3.5')	Soluble	Solid	300.0	81832
880-44023-26	T-27 (0-1')	Soluble	Solid	300.0	81832
880-44023-27	T-27 (1.5')	Soluble	Solid	300.0	81832
880-44023-28	T-27 (2')	Soluble	Solid	300.0	81832
880-44023-29	T-27 (2.5')	Soluble	Solid	300.0	81832
880-44023-30	T-28 (0-1')	Soluble	Solid	300.0	81832
880-44023-31	T-28 (1.5')	Soluble	Solid	300.0	81832
880-44023-32	T-28 (2')	Soluble	Solid	300.0	81832
880-44023-33	T-29 (0-1')	Soluble	Solid	300.0	81832
880-44023-34	T-29 (1.5')	Soluble	Solid	300.0	81832
MB 880-81832/1-A	Method Blank	Soluble	Solid	300.0	81832
LCS 880-81832/2-A	Lab Control Sample	Soluble	Solid	300.0	81832
LCSD 880-81832/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	81832
880-44023-15 MS	T-11 (5')	Soluble	Solid	300.0	81832
880-44023-15 MSD	T-11 (5')	Soluble	Solid	300.0	81832
880-44023-25 MS	T-26 (3.5')	Soluble	Solid	300.0	81832
880-44023-25 MSD	T-26 (3.5')	Soluble	Solid	300.0	81832

Analysis Batch: 81891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44023-35	T-29 (2')	Soluble	Solid	300.0	81833
MB 880-81833/1-A	Method Blank	Soluble	Solid	300.0	81833
LCS 880-81833/2-A	Lab Control Sample	Soluble	Solid	300.0	81833
LCSD 880-81833/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	81833
880-44023-35 MS	T-29 (2')	Soluble	Solid	300.0	81833
880-44023-35 MSD	T-29 (2')	Soluble	Solid	300.0	81833

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (0-1')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-1
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	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 16:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 12:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 12:46	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	81831	05/29/24 16:56	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	81876	05/30/24 14:23	SMC	EET MID

Client Sample ID: T-9 (1.5')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-2
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	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 16:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 16:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 13:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 13:06	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	81831	05/29/24 16:57	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	81876	05/30/24 14:29	SMC	EET MID

Client Sample ID: T-9 (2')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-3
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			5.04 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 16:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 16:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 13:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	81831	05/29/24 16:57	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	81876	05/30/24 14:35	SMC	EET MID

Client Sample ID: T-9 (3')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 17:13	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (3')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			82053	05/30/24 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 13:47	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	81831	05/29/24 16:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81876	05/30/24 14:42	SMC	EET MID

Client Sample ID: T-9 (4')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 17:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 14:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 14:07	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	81831	05/29/24 16:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81876	05/30/24 14:48	SMC	EET MID

Client Sample ID: T-9 (5')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 17:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 14:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 14:28	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	81831	05/29/24 16:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81876	05/30/24 15:07	SMC	EET MID

Client Sample ID: T-9 (6')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 18:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 14:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 14:49	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-9 (6')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-7
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			4.98 g	50 mL	81831	05/29/24 16:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81876	05/30/24 15:13	SMC	EET MID

Client Sample ID: T-9 (7')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 18:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 15:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 15:30	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	81831	05/29/24 16:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81876	05/30/24 15:32	SMC	EET MID

Client Sample ID: T-9 (8')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 18:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 15:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 15:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	81831	05/29/24 16:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81876	05/30/24 15:39	SMC	EET MID

Client Sample ID: T-11 (0-1')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 19:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 16:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 16:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	81831	05/29/24 16:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81876	05/30/24 15:45	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (1.5')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 20:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 20:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 16:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 16:32	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	81831	05/29/24 16:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81876	05/30/24 15:51	SMC	EET MID

Client Sample ID: T-11 (2')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 21:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 21:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 16:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 16:52	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	81831	05/29/24 16:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81876	05/30/24 15:58	SMC	EET MID

Client Sample ID: T-11 (3')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-13
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			5.04 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 21:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 21:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 17:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 17:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	81831	05/29/24 16:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81876	05/30/24 16:04	SMC	EET MID

Client Sample ID: T-11 (4')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-14
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			4.97 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 21:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 21:52	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (4')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			82053	05/30/24 17:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 17:33	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	81831	05/29/24 16:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81876	05/30/24 16:10	SMC	EET MID

Client Sample ID: T-11 (5')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 22:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 22:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 17:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 17:54	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81888	05/30/24 16:26	SMC	EET MID

Client Sample ID: T-11 (6')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 22:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 22:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 18:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 18:14	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81888	05/30/24 16:43	SMC	EET MID

Client Sample ID: T-11 (7')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 22:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 22:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 18:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	81792	05/29/24 14:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81846	05/30/24 18:34	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-11 (7')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81888	05/30/24 16:48	SMC	EET MID

Client Sample ID: T-11 (8')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 23:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 23:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 11:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 11:04	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81888	05/30/24 16:54	SMC	EET MID

Client Sample ID: T-11 (9')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 23:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 23:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 12:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 12:05	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81888	05/30/24 16:59	SMC	EET MID

Client Sample ID: T-11 (10')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	81779	05/29/24 12:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81752	05/29/24 23:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 23:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 12:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 12:25	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81888	05/30/24 17:15	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-26 (0-1')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 16:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 12:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 12:46	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	81888	05/30/24 17:21	SMC	EET MID

Client Sample ID: T-26 (1.5')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-22
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			4.98 g	5 mL	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 16:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 13:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 13:06	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	81888	05/30/24 17:26	SMC	EET MID

Client Sample ID: T-26 (2')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-23
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			5.04 g	5 mL	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 17:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 17:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 13:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 13:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81888	05/30/24 17:32	SMC	EET MID

Client Sample ID: T-26 (3')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-24
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			4.95 g	5 mL	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 17:38	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-26 (3')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			82053	05/30/24 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 13:47	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81888	05/30/24 17:37	SMC	EET MID

Client Sample ID: T-26 (3.5')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 17:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 17:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 14:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 14:07	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81888	05/30/24 17:43	SMC	EET MID

Client Sample ID: T-27 (0-1')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 18:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 14:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 14:28	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	81888	05/30/24 17:59	SMC	EET MID

Client Sample ID: T-27 (1.5')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-27
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			5.05 g	5 mL	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 18:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 14:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 14:49	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-27 (1.5')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	81888	05/30/24 18:04	SMC	EET MID

Client Sample ID: T-27 (2')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-28
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			4.98 g	5 mL	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 19:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 19:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 15:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 15:30	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	81888	05/30/24 18:20	SMC	EET MID

Client Sample ID: T-27 (2.5')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-29
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			4.95 g	5 mL	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 19:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 19:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 15:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 15:50	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81888	05/30/24 18:26	SMC	EET MID

Client Sample ID: T-28 (0-1')
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

Lab Sample ID: 880-44023-30
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			5.00 g	5 mL	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 19:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 19:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 16:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 16:11	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	81888	05/30/24 18:31	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-28 (1.5')

Lab Sample ID: 880-44023-31
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 21:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 21:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 16:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 16:32	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	81888	05/30/24 18:37	SMC	EET MID

Client Sample ID: T-28 (2')

Lab Sample ID: 880-44023-32
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 21:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 21:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 16:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 16:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81888	05/30/24 18:42	SMC	EET MID

Client Sample ID: T-29 (0-1')

Lab Sample ID: 880-44023-33
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 22:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 22:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 17:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 17:13	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	81888	05/30/24 18:48	SMC	EET MID

Client Sample ID: T-29 (1.5')

Lab Sample ID: 880-44023-34
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 22:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 22:34	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Client Sample ID: T-29 (1.5')

Lab Sample ID: 880-44023-34
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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			82053	05/30/24 17:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 17:33	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	81832	05/29/24 16:59	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81888	05/30/24 18:53	SMC	EET MID

Client Sample ID: T-29 (2')

Lab Sample ID: 880-44023-35
Matrix: Solid
Date Collected: 05/28/24 00:00
Date Received: 05/29/24 11:25

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	81780	05/29/24 12:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	81747	05/29/24 22:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			81946	05/29/24 22:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			82053	05/30/24 17:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	81796	05/29/24 14:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	81848	05/30/24 17:54	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	81833	05/29/24 17:01	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	81891	05/30/24 17:01	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
Job ID: 880-44023-1
Project/Site: Gem CTB Reuse Riser (12.09.23)
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Gem CTB Reuse Riser (12.09.23)

Job ID: 880-44023-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-44023-1	T-9 (0-1')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-2	T-9 (1.5')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-3	T-9 (2')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-4	T-9 (3')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-5	T-9 (4')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-6	T-9 (5')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-7	T-9 (6')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-8	T-9 (7')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-9	T-9 (8')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-10	T-11 (0-1')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-11	T-11 (1.5')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-12	T-11 (2')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-13	T-11 (3')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-14	T-11 (4')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-15	T-11 (5')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-16	T-11 (6')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-17	T-11 (7')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-18	T-11 (8')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-19	T-11 (9')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-20	T-11 (10')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-21	T-26 (0-1')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-22	T-26 (1.5')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-23	T-26 (2')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-24	T-26 (3')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-25	T-26 (3.5')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-26	T-27 (0-1')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-27	T-27 (1.5')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-28	T-27 (2')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-29	T-27 (2.5')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-30	T-28 (0-1')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-31	T-28 (1.5')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-32	T-28 (2')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-33	T-29 (0-1')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-34	T-29 (1.5')	Solid	05/28/24 00:00	05/29/24 11:25
880-44023-35	T-29 (2')	Solid	05/28/24 00:00	05/29/24 11:25

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Chain of Custody

880-44023 Chain of Custody

6/10/2024

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Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	(432) 813-6823	Email:	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Gem CTB Reuse Riser (12.09.23)	Turn Around	
Project Number:	2350	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	IR		
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:	-3.9
Total Containers:		Corrected Temperature:	-3.8

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	Sample Comments
T-9 (0-1')	5/28/2024		X		G	1		x	x	x	
T-9 (1.5')	5/28/2024		X		G	1		x	x	x	
T-9 (2')	5/28/2024		X		G	1		x	x	x	
T-9 (3')	5/28/2024		X		G	1		x	x	x	
T-9 (4')	5/28/2024		X		G	1		x	x	x	
T-9 (5')	5/28/2024		X		G	1		x	x	x	
T-9 (6')	5/28/2024		X		G	1		x	x	x	
T-9 (7')	5/28/2024		X		G	1		x	x	x	
T-9 (8')	5/28/2024		X		G	1		x	x	x	
T-11 (0-1')	5/28/2024		X		G	1		x	x	x	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/29/24		5/29/24 1125

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Chain of Custody

Work Order No: 44023

6/10/2024

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Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	(432) 813-6823	Email:	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Gem CTB Reuse Riser (12.09.23)	Turn Around	
Project Number:	2350	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	IR		
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	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
T-11 (1.5')	5/28/2024		X		G	1		x	x	x	
T-11 (2')	5/28/2024		X		G	1		x	x	x	
T-11 (3')	5/28/2024		X		G	1		x	x	x	
T-11 (4')	5/28/2024		X		G	1		x	x	x	
T-11 (5')	5/28/2024		X		G	1		x	x	x	
T-11 (6')	5/28/2024		X		G	1		x	x	x	
T-11 (7')	5/28/2024		X		G	1		x	x	x	
T-11 (8')	5/28/2024		X		G	1		x	x	x	
T-11 (9')	5/28/2024		X		G	1		x	x	x	
T-11 (10')	5/28/2024		X		G	1		x	x	x	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/29/24		5/29/24 1125

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Chain of Custody

Work Order No: 44023

6/10/2024

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Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	(432) 813-6823	Email:	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Gem CTB Reuse Riser (12.09.23)	Turn Around	☑ Routine ☐ Rush
Project Number:	2350	Due Date:	Standard
Project Location	Lea County, New Mexico		
Sampler's Name:	IR		
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	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
T-26 (0-1')	5/28/2024		X		G	1		x	x	x	
T-26 (1.5')	5/28/2024		X		G	1		x	x	x	
T-26 (2')	5/28/2024		X		G	1		x	x	x	
T-26 (3')	5/28/2024		X		G	1		x	x	x	
T-26 (3.5')	5/28/2024		X		G	1		x	x	x	
T-27 (0-1')	5/28/2024		X		G	1		x	x	x	
T-27 (1.5')	5/28/2024		X		G	1		x	x	x	
T-27 (2')	5/28/2024		X		G	1		x	x	x	
T-27 (2.5')	5/28/2024		X		G	1		x	x	x	
T-28 (0-1')	5/28/2024		X		G	1		x	x	x	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
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Chain of Custody

Work Order No: 44023

6/10/2024

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Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	(432) 813-6823	Email:	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Gem CTB Reuse Riser (12.09.23)	Turn Around	
Project Number:	2350	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date:	Standard
Sampler's Name:	IR		
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	Sample Comments
T-28 (1.5')	5/28/2024		X		G	1		x	x	x	
T-28 (2')	5/28/2024		X		G	1		x	x	x	
T-29 (0-1')	5/28/2024		X		G	1		x	x	x	
T-29 (1.5')	5/28/2024		X		G	1		x	x	x	
T-29 (2')	5/28/2024		X		G	1		x	x	x	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-44023-1
SDG Number: Lea County, New Mexico

Login Number: 44023
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	

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

QUESTIONS

Action 368838

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 368838
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2420545876**
Incident Name	**NAPP2420545876 GEM CTB RISER @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Gem CTB Riser
Date Release Discovered	12/09/2023
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Gasket | Produced Water | Released: 308 BBL | Recovered: 10 BBL | Lost: 298 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 368838
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

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

I hereby agree and sign off to the above statement	Name: Todd Wells Title: Safety and Environmental Specialist Email: Todd_Wells@eogresources.com Date: 07/31/2024

District I
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QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 368838
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Zero feet, overlying, or within area
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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
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)	21300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	09/09/2024
On what date will (or did) the final sampling or liner inspection occur	09/27/2024
On what date will (or was) the remediation complete(d)	10/15/2024
What is the estimated surface area (in square feet) that will be reclaimed	38882
What is the estimated volume (in cubic yards) that will be reclaimed	5233
What is the estimated surface area (in square feet) that will be remediated	38882
What is the estimated volume (in cubic yards) that will be remediated	5233
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 368838
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	*Not answered.*
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	TX
What is the name of the out-of-state facility	Desert Treatment, Recovery and Disposal Facility
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: Todd Wells Title: Safety and Environmental Specialist Email: Todd_Wells@eogresources.com Date: 08/01/2024
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.	

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

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 368838
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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
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QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 368838
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

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CONDITIONS

Action 368838

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 368838
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please collect confirmation samples every 400 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	8/21/2024