

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

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

Cause of Release

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

Spill Calculation - Subsurface Spill - Rectangle								Remediation Recommendation	
Received by OCD: 1/25/2024 12:28:46 PM								Page 3 of 242	
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Total Estimated Contaminated Soil, uncompacted, 25% (yd³.)	Current Rule of Thumb - RMR Handover Volume, (yd³.)
Rectangle A	100.0	8.0	2.0	Off-Pad ✓	11.13%	23.73	2.64	6.17	750
Rectangle B	50.0	20.0	0.5	Off-Pad ✓	11.13%	7.42	0.83	1.93	
Rectangle C	20.0	3.0	6.0	Off-Pad ✓	11.13%	5.34	0.59	1.39	
Rectangle D	0.0	0.0	0.0	Off-Pad ✓	11.13%	0.00	0.00	0.00	
Rectangle E	0.0	0.0	0.0	Off-Pad ✓	11.13%	0.00	0.00	0.00	
Rectangle F				✓		0.00		0.00	
Rectangle G				✓		0.00		0.00	
Rectangle H				✓		0.00		0.00	
Rectangle I				✓		0.00		0.00	
Rectangle J				✓		0.00		0.00	
Total Subsurface Volume Released:							4.0613	9.49	BU
Released to Imaging: 3/11/2024 7:57:21 AM									



SITE INFORMATION

Work Plan
Asio Otus Federal 003H (06.02.23)
Eddy County, New Mexico
Unit L Sec 18 T26S R27E
32.0389°, -104.2339°

Produced Water Release
Point of Release: Flowline Rupture Due to Corrosion
Release Date: 06.02.23
Volume Released: 4.0613 of Produced Water
Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
15 West London Road
Loving, New Mexico

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

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



December 7, 2023

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

Re: Work Plan
Asio Otus Federal 003H (06.02.23)
Concho Operating, LLC
Site Location: Unit L, Sec 18, T26S, R27E
(Lat 32.0389°, Long -104.2339°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Asio Otus Federal 003H (06.02.23). The site is located at 32.0389°, -104.2339° within Unit L, S18, T26S, R27E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 2, 2023, caused by a flowline rupture due to corrosion. The incident released four point zero six one three (4.0613) barrels of produced water, with zero (0) barrels recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is no known water source within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.31 miles Northwest of the site in S12, T26S, R26E and was drilled in 2018. The well has a reported depth to groundwater of 12.60 feet below the ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix C.

3.0 NMAC Regulatory Criteria

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

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

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Midland, Texas 79701
432.813.1992



4.0 Site Assessment Activities

Initial Assessment

On June 21, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of ten (10) sample points (S-1 through S-10) and nine (9) horizontal samples (H-1 through H-9) were advanced to depths ranging from the surface to 2' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

All sample points could not be vertically delineated due to a dense geological formation ranging from 1.5' to 2.0' bgs. Refer to Table 1.

Horizontal Delineation

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

Trenching Activities

On November 15, 2023, Carmona Resources, LLC returned to the site to delineate the release vertically. A total of Ten (10) trenches (T-1 through T-10) were advanced to depths ranging from the surface to 8' bgs inside the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain of custody documents, are attached in Appendix E.

Vertical Delineation

All trench locations were vertically delineated and below regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

5.0 Proposed Work Plan

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

- The areas of S-2/T-2, S-3/T-3, S-8/T-8, and S-9/T-9 will be excavated to a depth of 2.0' below ground surface and backfilled with clean material to surface grade.
- The areas of S-4/T-4, S-5/T-5, S-6/T-6, and S-10/T-10 will be excavated to a depth of 3.0' below ground surface and backfilled with clean material to surface grade.
- The area of S-1/T-1 will be excavated to a depth of 4.0' below the ground surface and backfilled with clean material to surface grade.



- The area of S-7/T-7 will be excavated to a depth of 8.0' below the ground surface and backfilled with clean material to surface grade.
- An estimated 1,472 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 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, COG will excavate the impacted soil to the maximum extent possible.

6.0 Reclamation Plan

Once the remediation activities are completed, the excavated areas will be backfilled with clean material to surface grade. The appropriate pounds of pure live seed per acre will be used. The seed mixture that will be used is BLM Seed mixture #1, (See attachments in Appendix F).

7.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

Devin Dominguez
Sr. Project Manager

FIGURES

CARMONA RESOURCES

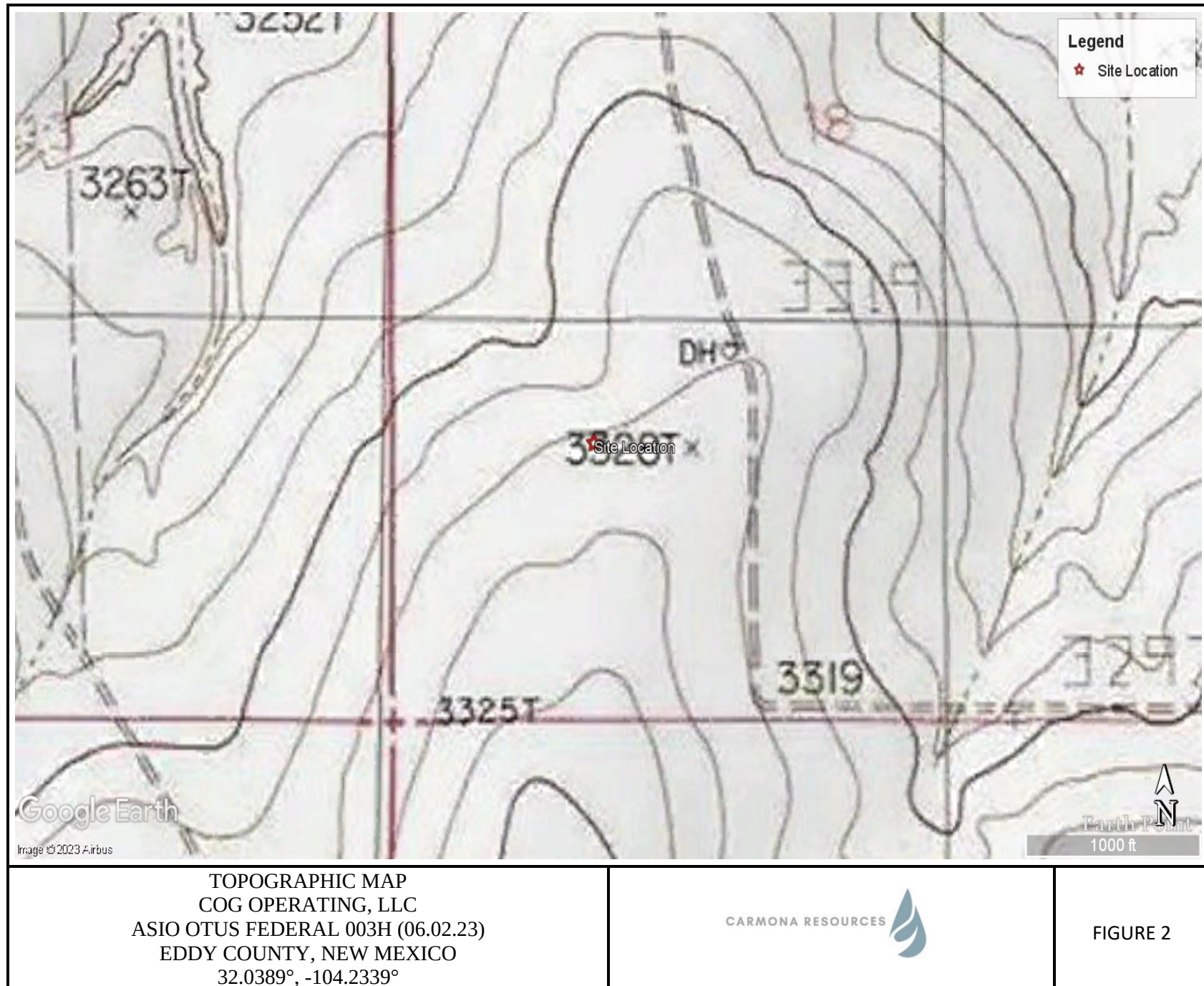


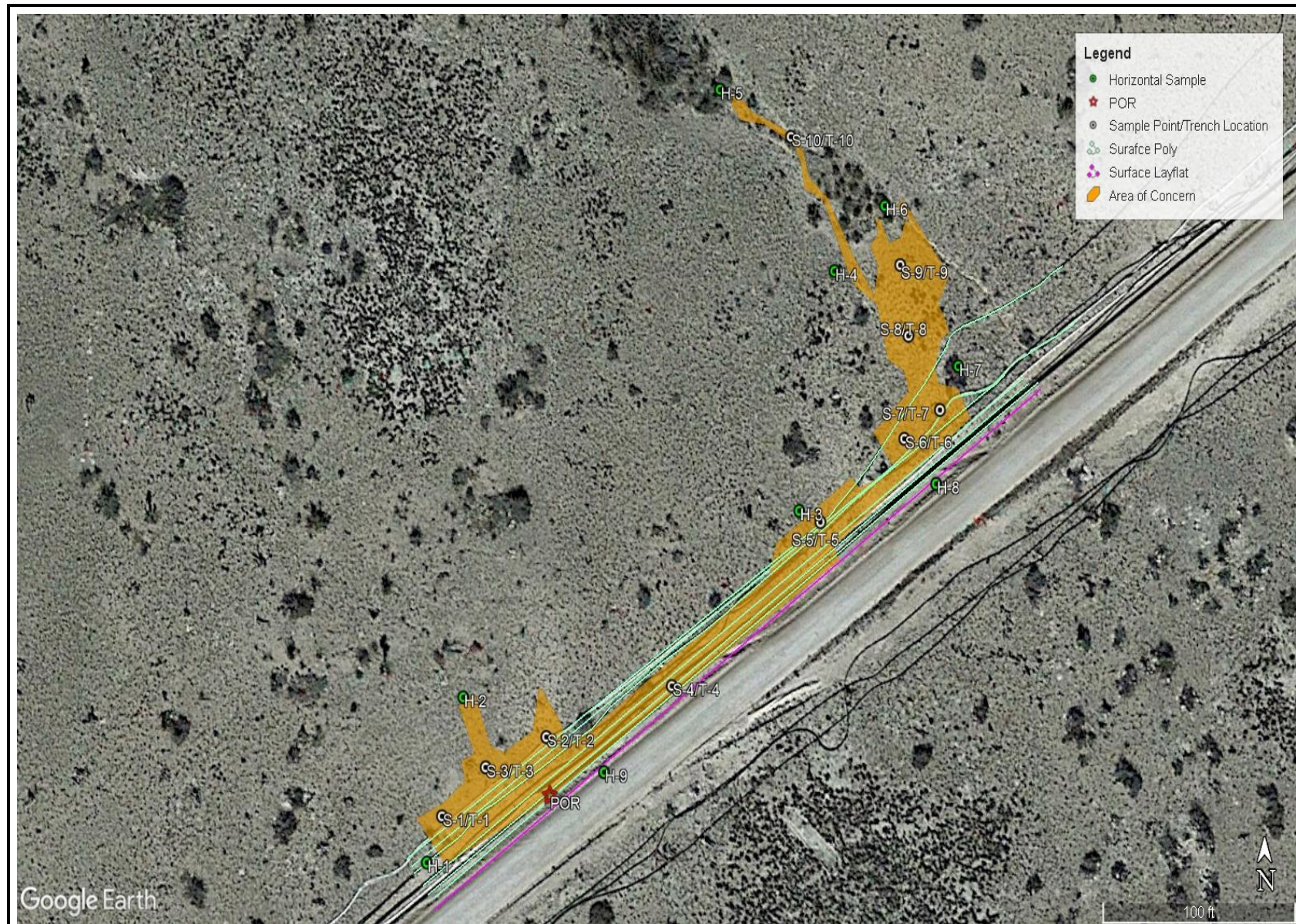


SITE LOCATION MAP
 COG OPERATING, LLC
 ASIO OTUS FEDERAL 003H (06.02.23)
 EDDY COUNTY, NEW MEXICO
 32.0389°, -104.2339°



FIGURE 1

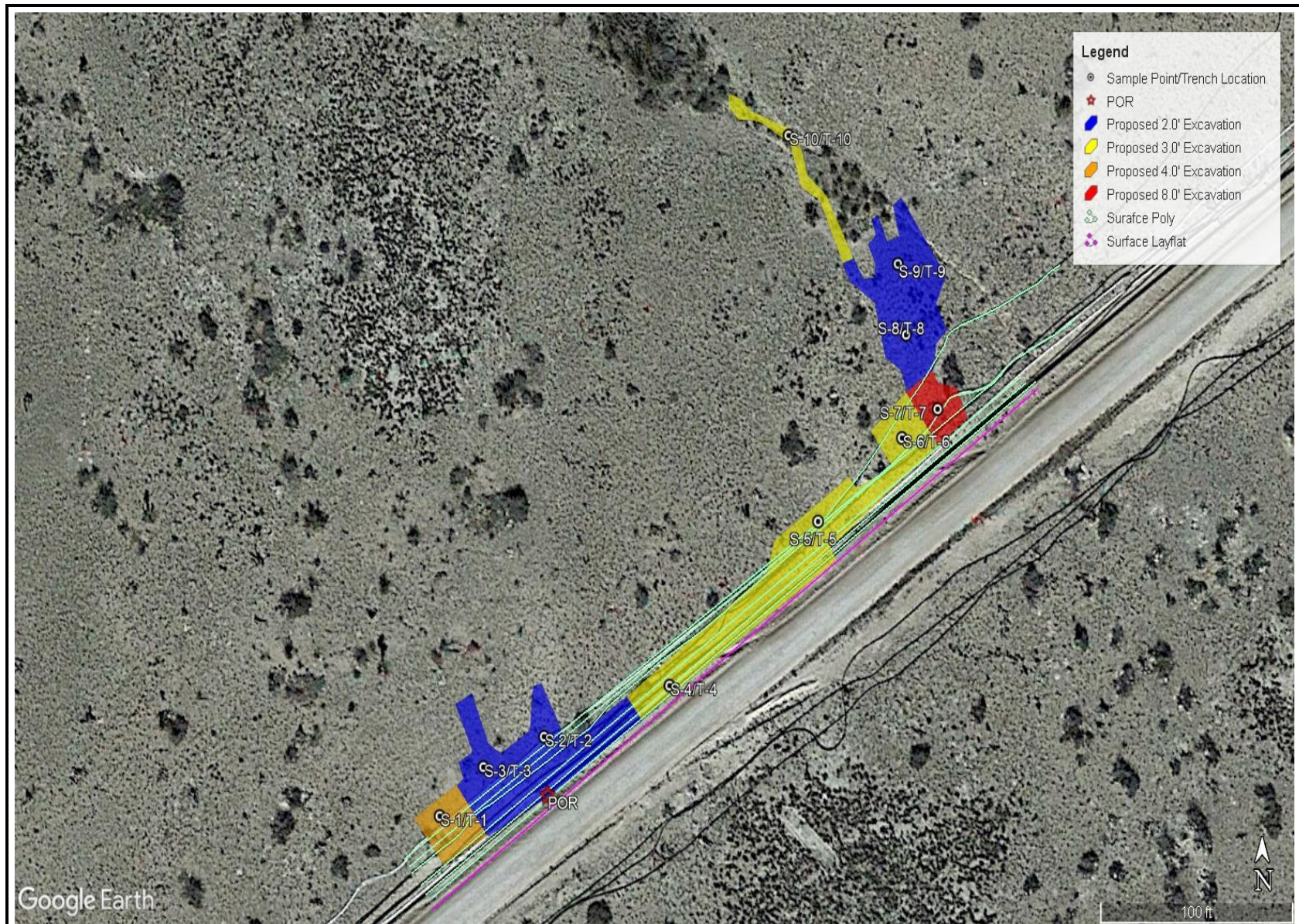




SAMPLE LOCATION MAP
 COG OPERATING, LLC
 ASIO OTUS FEDERAL 003H (06.02.23)
 EDDY COUNTY, NEW MEXICO
 32.0389°, -104.2339°



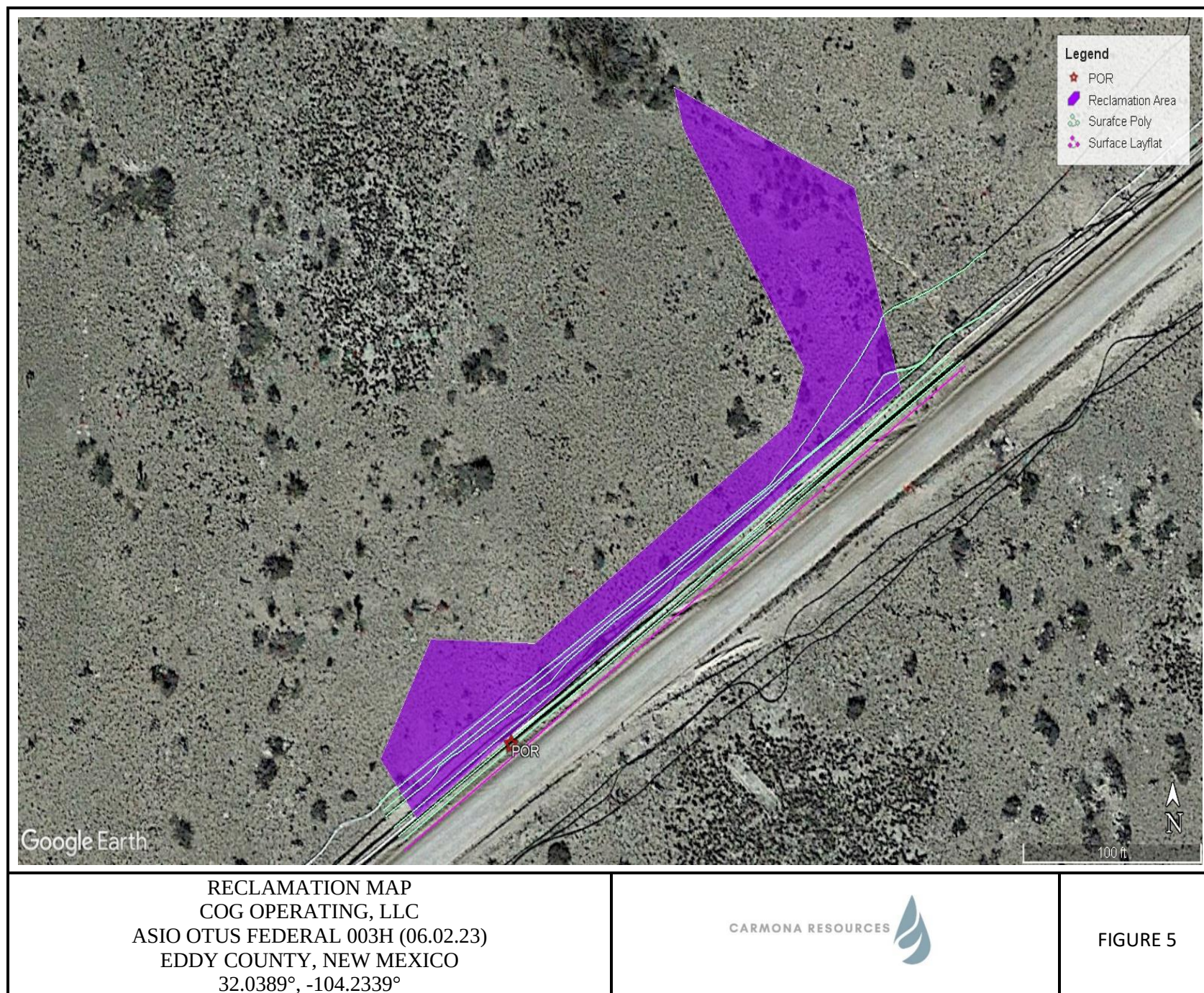
FIGURE 3



EXCAVATION MAP
 COG OPERATING, LLC
 ASIO OTUS FEDERAL 003H (06.02.23)
 EDDY COUNTY, NEW MEXICO
 32.0389°, -104.2339°



FIGURE 4



APPENDIX A

CARMONA RESOURCES



Table 1
COG Operating, LLC
Asio Otus Federal 003H (06.02.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	6/21/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	24,700
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	16,000
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7,460
T-1	11/15/2023	0-1	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,040
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,310
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	790
	"	3	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	685
	"	4	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.8
S-2	6/21/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	24,000
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14,600
T-2	11/15/2023	0-1	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,010
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	687
	"	2	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	467
	"	3	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	247
	"	4	<49.7	54.0	<49.7	54.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	15.2
S-3	6/21/2023	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	19,300
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5,650
T-3	11/15/2023	0-1	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,900
	"	1.5	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	495
	"	2	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	374
	"	3	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	295
	"	4	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.5
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

(S) - Sample Point

(T) - Trench Sample

 Proposed Excavation

Table 1
COG Operating, LLC
Asio Otus Federal 003H (06.02.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-4	6/21/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	4,040
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,150
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	2,550
T-4	11/15/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	15,000
	"	1.5	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,260
	"	2	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	324
	"	3	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	98.5
	"	4	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.4
S-5	6/21/2023	0-1	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	57,300
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	16,200
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	11,600
T-5	11/15/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	12,700
	"	1.5	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,530
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,000
	"	3	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	591
	"	4	<49.9	64.6	<49.9	64.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.9
S-6	6/21/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	66,300
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18,600
T-6	11/15/2023	0-1	<49.5	<49.5	<49.5	<49.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	18,000
	"	1.5	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,040
	"	2	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,720
	"	3	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	466
	"	4	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	17.9
S-7	6/21/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	56,400
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	28,100
T-7	11/15/2023	0-1	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6,240
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	5,890
	"	2	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7,640
	"	3	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,320
	"	4	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	1,110
	"	5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,570
	"	6	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	843
	"	7	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	3,620
	"	8	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	20.1
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

(S) - Sample Point

(T) - Trench Sample

 Proposed Excavation

Table 1
COG Operating, LLC
Asio Otus Federal 003H (06.02.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-8	6/21/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	15,600
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14,900
T-8	11/15/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7,690
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	2,230
	"	2	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	352
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	126
	"	4	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	14.9
S-9	6/21/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00302	<0.00200	<0.00399	<0.00399	29,700
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18,000
T-9	11/15/2023	0-1	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,110
	"	1.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,240
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	241
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	95.5
	"	4	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	62.8
S-10	6/21/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	27,300
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	8,960
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00198	0.00290	<0.00198	<0.00396	<0.00396	9,190
T-10	11/15/2023	0-1	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,330
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	413
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	162
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	58.3
	"	4	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.7
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

(S) - Sample Point

(T) - Trench Sample

 Proposed Excavation

Table 1
COG Operating, LLC
Asio Otus Federal 003H (06.02.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	6/20/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	43.2
H-2	6/20/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	63.1
H-3	6/20/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	53.5
H-4	6/20/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	39.7
H-5	6/20/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	54.7
H-6	6/20/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	46.6
H-7	6/20/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	35.0
H-8	6/20/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.4
H-9	6/20/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	36.9
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

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Asio Otus Federal 003H (06.02.23)

County: Eddy County, New Mexico

Description:

View Northeast, area of S-1/T-1 and S-3/T-3.



Photograph No. 2

Facility: Asio Otus Federal 003H (06.02.23)

County: Eddy County, New Mexico

Description:

View North, area of S-2/T-2.



Photograph No. 3

Facility: Asio Otus Federal 003H (06.02.23)

County: Eddy County, New Mexico

Description:

View North, area of S-4/T-4.



PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 4****Facility:** Asio Otus Federal 003H (06.02.23)**County:** Eddy County, New Mexico**Description:**

View North, area of S-5/T-5.

**Photograph No. 5****Facility:** Asio Otus Federal 003H (06.02.23)**County:** Eddy County, New Mexico**Description:**

View North, area of S-6/T-6.

**Photograph No. 6****Facility:** Asio Otus Federal 003H (06.02.23)**County:** Eddy County, New Mexico**Description:**

View West, area of S-7/T-7.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 7

Facility: Asio Otus Federal 003H (06.02.23)

County: Eddy County, New Mexico

Description:

View Northwest, area of S-8/T-8 and S-9/T-9.



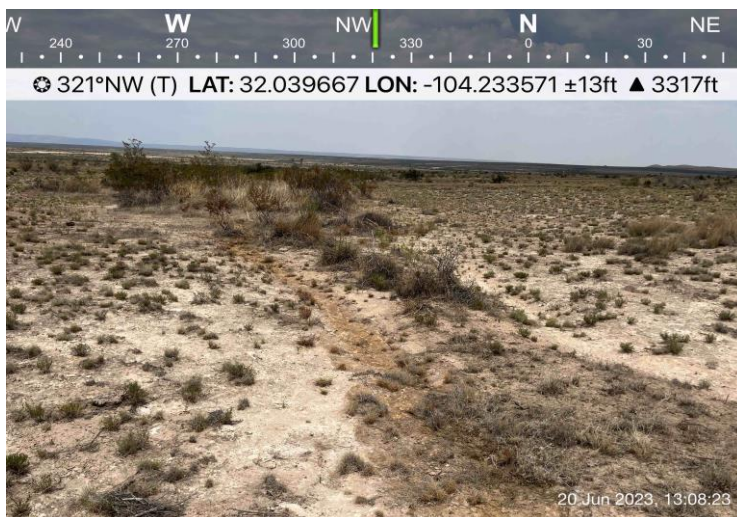
Photograph No. 8

Facility: Asio Otus Federal 003H (06.02.23)

County: Eddy County, New Mexico

Description:

View Northwest, area of S-10/T-10.



APPENDIX C

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

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

Cause of Release

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

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

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Spill Calculation - Subsurface Spill - Rectangle								Remediation Recommendation	
Received by OCD: 1/25/2024 12:28:46 PM								Page 30 of 242	
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Total Estimated Contaminated Soil, uncompacted, 25% (yd³.)	Current Rule of Thumb - RMR Handover Volume, (yd³.)
Rectangle A	100.0	8.0	2.0	Off-Pad ✓	11.13%	23.73	2.64	6.17	750
Rectangle B	50.0	20.0	0.5	Off-Pad ✓	11.13%	7.42	0.83	1.93	
Rectangle C	20.0	3.0	6.0	Off-Pad ✓	11.13%	5.34	0.59	1.39	
Rectangle D	0.0	0.0	0.0	Off-Pad ✓	11.13%	0.00	0.00	0.00	
Rectangle E	0.0	0.0	0.0	Off-Pad ✓	11.13%	0.00	0.00	0.00	
Rectangle F				✓		0.00		0.00	
Rectangle G				✓		0.00		0.00	
Rectangle H				✓		0.00		0.00	
Rectangle I				✓		0.00		0.00	
Rectangle J				✓		0.00		0.00	
Total Subsurface Volume Released:							4.0613	9.49	BU
Released to Imaging: 3/11/2024 7:57:21 AM									

APPENDIX D

CARMONA RESOURCES

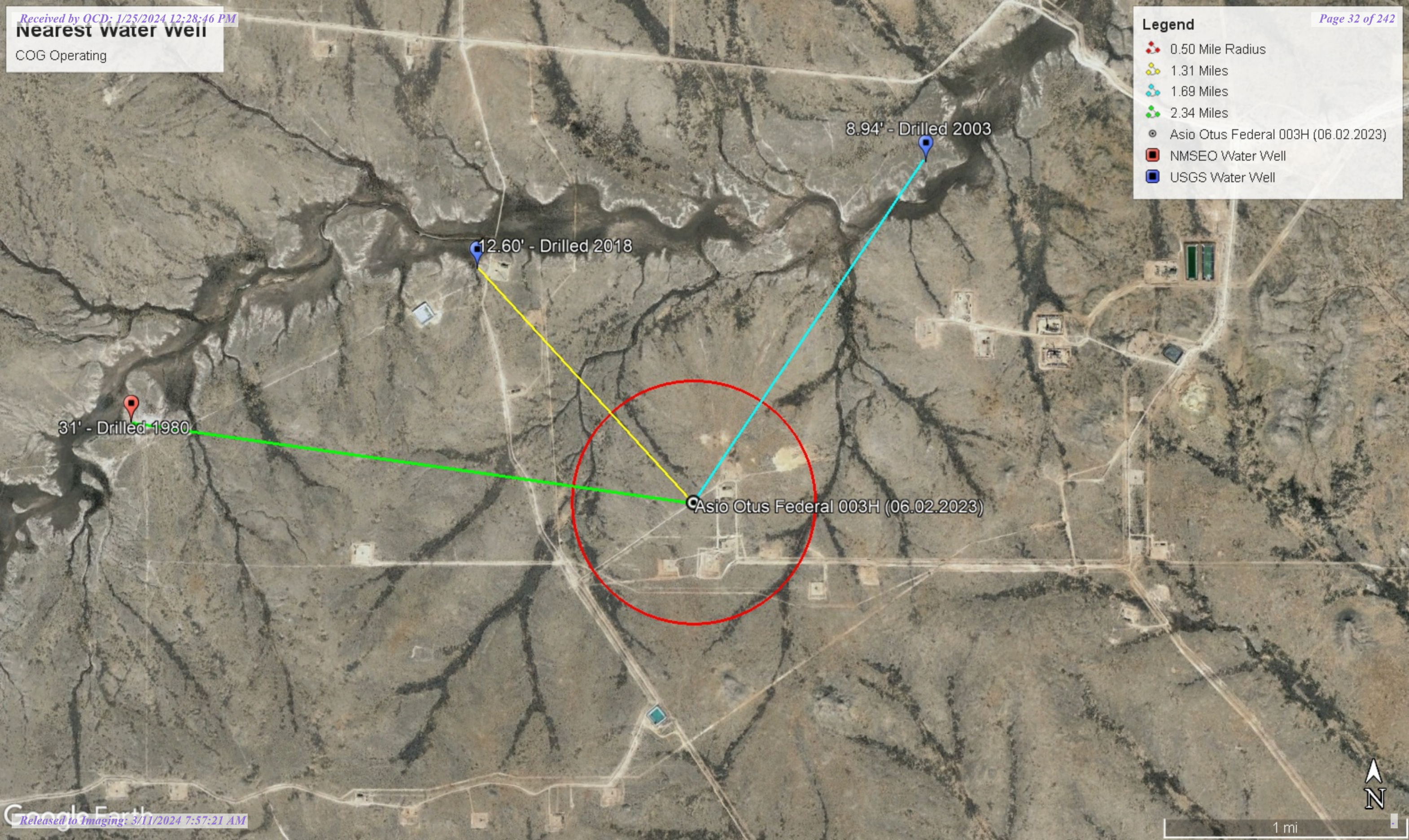


Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 1.31 Miles
- 1.69 Miles
- 2.34 Miles
- Asio Otus Federal 003H (06.02.2023)
- NMSEO Water Well
- USGS Water Well



High Karst

COG Operating

Legend

 Asio Otus Federal 003H (06.02.2023)

 High

 Medium

Asio Otus Federal 003H (06.02.2023)



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04269 POD1	CUB	ED		4	2	3	18	26S	27E	572620	3545176	335	105		
C 02218	CUB	ED		4	1	4	07	26S	27E	573039	3546725*	1860	35		
C 02438	CUB	ED		4	2	3	12	26S	26E	571015	3546705*	2151	30		
C 01887	C	ED		4	4	2	15	26S	26E	568614	3545497*	3750	53	31	22
C 02439	CUB	ED		2	4	2	15	26S	26E	568614	3545697*	3782	30		
C 02219	CUB	ED		4	4	4	05	26S	27E	575033	3547948*	3995	35		

Average Depth to Water: **31 feet**

Minimum Depth: **31 feet**

Maximum Depth: **31 feet**

Record Count: 6

UTM NAD83 Radius Search (in meters):

Easting (X): 572332

Northing (Y): 3545004

Radius: 4000

*UTM location was derived from PLSS - see Help

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

6/19/23 8:57 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

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	? S
				Groundwater	New Mexico	GO	

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320320104145101

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320320104145101 26S.26E.12.34120

Eddy County, New Mexico

Latitude 32°03'09.7", Longitude 104°14'56.7" NAD83

Land-surface elevation 3,230.90 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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
1978-01-25		D	62610		3217.55	NGVD29	1		Z	
1978-01-25		D	62611		3219.22	NAVD88	1		Z	
1978-01-25		D	72019	13.35			1		Z	
1992-11-18		D	62610		3218.87	NGVD29	1		S	
1992-11-18		D	62611		3220.54	NAVD88	1		S	
1992-11-18		D	72019	12.03			1		S	
1998-01-13		D	62610		3215.24	NGVD29	1		S	
1998-01-13		D	62611		3216.91	NAVD88	1		S	
1998-01-13		D	72019	15.66			1		S	
2003-01-28		D	62610		3214.44	NGVD29	1		S	USGS
2003-01-28		D	62611		3216.11	NAVD88	1		S	USGS
2003-01-28		D	72019	16.46			1		S	USGS
2013-01-09 22:10 UTC		m	62610		3213.80	NGVD29	1		S	USGS
2013-01-09 22:10 UTC		m	62611		3215.47	NAVD88	1		S	USGS
2013-01-09 22:10 UTC		m	72019	17.10			1		S	USGS

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?
		Water-level date-time accuracy	Parameter code				S
2018-02-15 22:14 UTC	m	62610	3218.30	NGVD29	1	S	USGS
2018-02-15 22:14 UTC	m	62611	3219.97	NAVD88	1	S	USGS
2018-02-15 22:14 UTC	m	72019	12.60		1	S	USGS

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

[Questions or Comments](#)
[Automated retrievals](#)
[Help](#)
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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: 2023-06-19 11:03:44 EDT
0.3 0.25 nadww01

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	New Mexico	GO	

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320343104110201

Minimum number of levels = 1
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USGS 320343104110201 26S.27E.08.13230

Eddy County, New Mexico
Latitude 32°03'32.4", Longitude 104°13'03.9" NAD83
Land-surface elevation 3,182.10 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) 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
1978-01-03			D 62610		3164.52	NGVD29	1		Z	
1978-01-03			D 62611		3166.18	NAVD88	1		Z	
1978-01-03			D 72019	17.58			1		Z	
1983-01-05			D 62610		3166.54	NGVD29	1		Z	
1983-01-05			D 62611		3168.20	NAVD88	1		Z	
1983-01-05			D 72019	15.56			1		Z	
1987-10-08			D 62610		3167.72	NGVD29	1		Z	
1987-10-08			D 62611		3169.38	NAVD88	1		Z	
1987-10-08			D 72019	14.38			1		Z	
1992-11-04			D 62610		3165.85	NGVD29	1		S	
1992-11-04			D 62611		3167.51	NAVD88	1		S	
1992-11-04			D 72019	16.25			1		S	
1998-01-13			D 62610		3165.45	NGVD29	1		S	
1998-01-13			D 62611		3167.11	NAVD88	1		S	
1998-01-13			D 72019	16.65			1		S	

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	
2003-01-28	D	62610	3164.88	NGVD29	1	S	USGS
2003-01-28	D	62611	3166.54	NAVD88	1	S	USGS
2003-01-28	D	72019	17.22		1	S	USGS
2013-01-09 21:45 UTC	m	62610	3173.16	NGVD29	1	S	USGS
2013-01-09 21:45 UTC	m	62611	3174.82	NAVD88	1	S	USGS
2013-01-09 21:45 UTC	m	72019	8.94		1	S	USGS

Explanation

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

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0.31 0.26 nadww02



New Mexico Office of the State Engineer

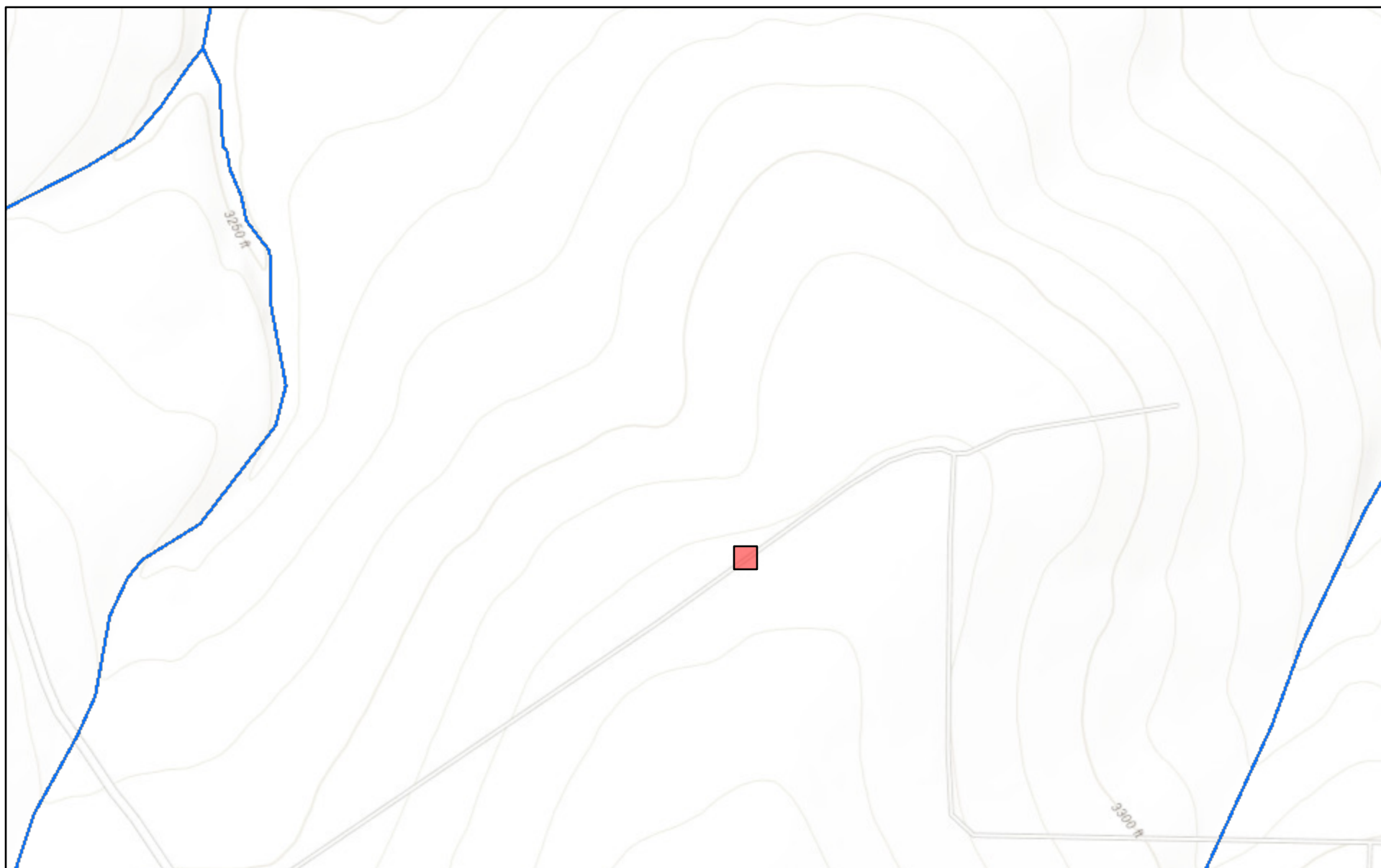
Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y				
	C 01887	4	4	2	15	26S	26E	568614	3545497*				
x													
Driller License:		817		Driller Company:			WEST, BILLY GEORGE						
Driller Name:		GEORGE WEST											
Drill Start Date:		03/26/1980		Drill Finish Date:			04/27/1980		Plug Date:				
Log File Date:		05/09/1980		PCW Rcv Date:					Source:		Shallow		
Pump Type:					Pipe Discharge Size:					Estimated Yield:		12 GPM	
Casing Size:		6.00		Depth Well:			53 feet		Depth Water:		31 feet		
x													
Water Bearing Stratifications:				Top		Bottom		Description					
				42		45		Sandstone/Gravel/Conglomerate					
x													
Casing Perforations:				Top		Bottom							
				40		53							

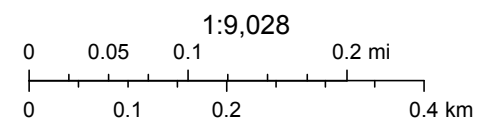
*UTM location was derived from PLSS - see Help

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

New Mexico NFHL Data



June 19, 2023



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/26/2023 11:05:56 AM

JOB DESCRIPTION

Asio Otis Fed #3 (6.2.23)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-29850-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
6/26/2023 11:05:56 AM

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

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Laboratory Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Job ID: 880-29850-1

Laboratory: Eurofins Midland

Narrative**Job Narrative
880-29850-1****Receipt**

The samples were received on 6/21/2023 3:47 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-29850-1), S-1 (1.5') (880-29850-2), S-1 (2') (880-29850-3), S-2 (0-1') (880-29850-4), S-2 (1.5') (880-29850-5), S-3 (0-1') (880-29850-6), S-3 (1.5') (880-29850-7), S-4 (0-1') (880-29850-8), S-4 (1.5') (880-29850-9), S-4 (2') (880-29850-10), S-5 (0-1') (880-29850-11), S-5 (1.5') (880-29850-12), S-5 (2') (880-29850-13), S-6 (0-1') (880-29850-14), S-6 (1.5') (880-29850-15), S-7 (0-1') (880-29850-16), S-7 (1.5') (880-29850-17), S-8 (0-1') (880-29850-18), S-8 (1.5') (880-29850-19), S-9 (0-1') (880-29850-20), S-9 (1.5') (880-29850-21), S-10 (0-1') (880-29850-22), S-10 (1.5') (880-29850-23) and S-10 (2') (880-29850-24).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCSD 880-56049/2-B), (MB 880-56049/5-B) and (MB 880-56050/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-56049 and analytical batch 880-56047 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: S-2 (1.5') (880-29850-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (MB 880-56090/5-A) and (MB 880-56107/5-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-56098 and analytical batch 880-56145 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-10 (2') (880-29850-24). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-56030 and analytical batch 880-56105 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.

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (0-1')

Lab Sample ID: 880-29850-1

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 05:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 05:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 05:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 05:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 05:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 05:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	06/22/23 14:18	06/23/23 05:54	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/22/23 14:18	06/23/23 05:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/23 11:49	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			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 10:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 10:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 10:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/22/23 08:00	06/23/23 10:24	1
o-Terphenyl	97		70 - 130	06/22/23 08:00	06/23/23 10:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24700		250		mg/Kg			06/23/23 04:54	50

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-29850-2

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 06:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 06:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 06:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/22/23 14:18	06/23/23 06:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 06:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/22/23 14:18	06/23/23 06:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/22/23 14:18	06/23/23 06:20	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/22/23 14:18	06/23/23 06:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-29850-2

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/23/23 11:49	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			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 11:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 11:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 11:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/22/23 08:00	06/23/23 11:35	1
o-Terphenyl	96		70 - 130				06/22/23 08:00	06/23/23 11:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16000		249		mg/Kg			06/23/23 05:12	50

Client Sample ID: S-1 (2')

Lab Sample ID: 880-29850-3

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 06:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 06:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 06:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/22/23 14:18	06/23/23 06:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 06:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/22/23 14:18	06/23/23 06:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				06/22/23 14:18	06/23/23 06:46	1
1,4-Difluorobenzene (Surr)	79		70 - 130				06/22/23 14:18	06/23/23 06:46	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			06/23/23 11:49	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			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 11:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 11:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-29850-3

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 11:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				06/22/23 08:00	06/23/23 11:59	1
o-Terphenyl	116		70 - 130				06/22/23 08:00	06/23/23 11:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7460		99.6		mg/Kg			06/23/23 05:18	20

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-29850-4

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 07:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 07:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 07:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 07:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 07:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 07:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/22/23 14:18	06/23/23 07:13	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/22/23 14:18	06/23/23 07:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/23 11:49	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			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 12:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 12:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/22/23 08:00	06/23/23 12:22	1
o-Terphenyl	94		70 - 130				06/22/23 08:00	06/23/23 12:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24000		248		mg/Kg			06/23/23 05:23	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-29850-5

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 07:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 07:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 07:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/23 14:18	06/23/23 07:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 07:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/23 14:18	06/23/23 07:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	06/22/23 14:18	06/23/23 07:39	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/22/23 14:18	06/23/23 07:39	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			06/23/23 11:49	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			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 12:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 12:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	06/22/23 08:00	06/23/23 12:46	1
o-Terphenyl	94		70 - 130	06/22/23 08:00	06/23/23 12:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14600		250		mg/Kg			06/23/23 05:29	50

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-29850-6

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 14:18	06/23/23 08:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 14:18	06/23/23 08:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	06/22/23 14:18	06/23/23 08:05	1
1,4-Difluorobenzene (Surr)	109		70 - 130	06/22/23 14:18	06/23/23 08:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-29850-6

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/23/23 11:49	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			06/26/23 10:12	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		06/22/23 08:00	06/23/23 13:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 13:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/22/23 08:00	06/23/23 13:11	1
o-Terphenyl	88		70 - 130				06/22/23 08:00	06/23/23 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19300		249		mg/Kg			06/23/23 05:47	50

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-29850-7

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 08:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 08:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 08:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/22/23 14:18	06/23/23 08:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 08:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/22/23 14:18	06/23/23 08:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				06/22/23 14:18	06/23/23 08:31	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/22/23 14:18	06/23/23 08:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/23 11:49	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			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 13:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 13:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-29850-7

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 08:00	06/23/23 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				06/22/23 08:00	06/23/23 13:36	1
o-Terphenyl	85		70 - 130				06/22/23 08:00	06/23/23 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5650		99.6		mg/Kg			06/23/23 05:53	20

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-29850-8

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/22/23 14:18	06/23/23 08:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 08:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/22/23 14:18	06/23/23 08:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				06/22/23 14:18	06/23/23 08:56	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/22/23 14:18	06/23/23 08:56	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			06/23/23 11:49	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			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 14:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 14:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				06/22/23 08:00	06/23/23 14:03	1
o-Terphenyl	79		70 - 130				06/22/23 08:00	06/23/23 14:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4040		99.8		mg/Kg			06/23/23 05:59	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-29850-9

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 09:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 09:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 09:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 09:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 09:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 09:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/22/23 14:18	06/23/23 09:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/22/23 14:18	06/23/23 09:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/23 11:49	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			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 14:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 14:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	06/22/23 08:00	06/23/23 14:30	1
o-Terphenyl	88		70 - 130	06/22/23 08:00	06/23/23 14:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2150		50.0		mg/Kg			06/23/23 06:05	10

Client Sample ID: S-4 (2')

Lab Sample ID: 880-29850-10

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 09:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 09:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 09:48	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/22/23 14:18	06/23/23 09:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 09:48	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/22/23 14:18	06/23/23 09:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/22/23 14:18	06/23/23 09:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/22/23 14:18	06/23/23 09:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (2')

Lab Sample ID: 880-29850-10

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/23/23 11:49	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			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 14:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 14:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				06/22/23 08:00	06/23/23 14:55	1
o-Terphenyl	101		70 - 130				06/22/23 08:00	06/23/23 14:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2550		50.4		mg/Kg			06/23/23 02:46	10

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-29850-11

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 11:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 11:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 11:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/22/23 14:18	06/23/23 11:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 11:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/22/23 14:18	06/23/23 11:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				06/22/23 14:18	06/23/23 11:33	1
1,4-Difluorobenzene (Surr)	85		70 - 130				06/22/23 14:18	06/23/23 11:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/26/23 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/26/23 10:12	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		06/22/23 08:00	06/23/23 15:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 15:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-29850-11

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 15:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/22/23 08:00	06/23/23 15:46	1
o-Terphenyl	92		70 - 130				06/22/23 08:00	06/23/23 15:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57300		249		mg/Kg			06/23/23 02:52	50

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-29850-12

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 11:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 11:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 11:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/22/23 14:18	06/23/23 11:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/22/23 14:18	06/23/23 11:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/22/23 14:18	06/23/23 11:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				06/22/23 14:18	06/23/23 11:59	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/22/23 14:18	06/23/23 11:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/26/23 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 16:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 16:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 16:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				06/22/23 08:00	06/23/23 16:14	1
o-Terphenyl	93		70 - 130				06/22/23 08:00	06/23/23 16:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16200		251		mg/Kg			06/23/23 03:09	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (2')

Lab Sample ID: 880-29850-13

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 12:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 12:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 12:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/22/23 14:18	06/23/23 12:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 12:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/22/23 14:18	06/23/23 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/22/23 14:18	06/23/23 12:25	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/22/23 14:18	06/23/23 12:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/26/23 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 16:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 16:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	06/22/23 08:00	06/23/23 16:41	1
o-Terphenyl	93		70 - 130	06/22/23 08:00	06/23/23 16:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11600		99.0		mg/Kg			06/23/23 03:15	20

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-29850-14

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 12:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 12:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 12:51	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/22/23 14:18	06/23/23 12:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/22/23 14:18	06/23/23 12:51	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/22/23 14:18	06/23/23 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/22/23 14:18	06/23/23 12:51	1
1,4-Difluorobenzene (Surr)	87		70 - 130	06/22/23 14:18	06/23/23 12:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-29850-14

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/26/23 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 17:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 17:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/22/23 08:00	06/23/23 17:07	1
o-Terphenyl	90		70 - 130				06/22/23 08:00	06/23/23 17:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66300		248		mg/Kg			06/23/23 03:33	50

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-29850-15

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 13:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 13:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 13:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 13:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 13:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 13:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				06/22/23 14:18	06/23/23 13:17	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/22/23 14:18	06/23/23 13:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/26/23 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/26/23 10:12	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		06/22/23 08:00	06/23/23 17:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 17:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-29850-15

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/22/23 08:00	06/23/23 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/22/23 08:00	06/23/23 17:33	1
o-Terphenyl	89		70 - 130				06/22/23 08:00	06/23/23 17:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18600		250		mg/Kg			06/23/23 03:39	50

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-29850-16

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 13:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 13:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 13:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/23 14:18	06/23/23 13:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 13:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/23 14:18	06/23/23 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				06/22/23 14:18	06/23/23 13:43	1
1,4-Difluorobenzene (Surr)	110		70 - 130				06/22/23 14:18	06/23/23 13:43	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			06/26/23 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 17:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				06/22/23 08:00	06/23/23 17:59	1
o-Terphenyl	91		70 - 130				06/22/23 08:00	06/23/23 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56400		252		mg/Kg			06/23/23 03:44	50

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-29850-17

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 14:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 14:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 14:10	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/22/23 14:18	06/23/23 14:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/22/23 14:18	06/23/23 14:10	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/22/23 14:18	06/23/23 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/22/23 14:18	06/23/23 14:10	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/22/23 14:18	06/23/23 14:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/26/23 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 18:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 18:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	06/22/23 08:00	06/23/23 18:24	1
o-Terphenyl	92		70 - 130	06/22/23 08:00	06/23/23 18:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28100		253		mg/Kg			06/23/23 03:50	50

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-29850-18

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 14:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 14:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 14:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/22/23 14:18	06/23/23 14:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 14:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/22/23 14:18	06/23/23 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/22/23 14:18	06/23/23 14:36	1
1,4-Difluorobenzene (Surr)	113		70 - 130	06/22/23 14:18	06/23/23 14:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-29850-18

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/26/23 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 18:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 18:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/22/23 08:00	06/23/23 18:49	1
o-Terphenyl	89		70 - 130				06/22/23 08:00	06/23/23 18:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15600		250		mg/Kg			06/23/23 03:56	50

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-29850-19

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 15:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 15:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 15:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 15:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/23 14:18	06/23/23 15:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/23 14:18	06/23/23 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				06/22/23 14:18	06/23/23 15:14	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/22/23 14:18	06/23/23 15:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/26/23 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 19:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-29850-19

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/22/23 08:00	06/23/23 19:13	1
o-Terphenyl	95		70 - 130				06/22/23 08:00	06/23/23 19:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14900		253		mg/Kg			06/23/23 04:02	50

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-29850-20

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 15:40	1
Toluene	0.00302		0.00200		mg/Kg		06/22/23 14:18	06/23/23 15:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 15:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/23 14:18	06/23/23 15:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 15:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/23 14:18	06/23/23 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				06/22/23 14:18	06/23/23 15:40	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/22/23 14:18	06/23/23 15:40	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			06/26/23 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 19:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 19:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 08:00	06/23/23 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/22/23 08:00	06/23/23 19:37	1
o-Terphenyl	94		70 - 130				06/22/23 08:00	06/23/23 19:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29700		248		mg/Kg			06/23/23 04:08	50

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-29850-21

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 01:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 01:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 01:13	1
m-Xylene & p-Xylene	<0.00399	U *1	0.00399		mg/Kg		06/22/23 08:58	06/23/23 01:13	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		06/22/23 08:58	06/23/23 01:13	1
Xylenes, Total	<0.00399	U *1	0.00399		mg/Kg		06/22/23 08:58	06/23/23 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	06/22/23 08:58	06/23/23 01:13	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/22/23 08:58	06/23/23 01:13	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			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 11:08	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	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 12:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 12:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	06/22/23 13:37	06/23/23 12:14	1
o-Terphenyl	121		70 - 130	06/22/23 13:37	06/23/23 12:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18000		250		mg/Kg			06/23/23 06:10	50

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-29850-22

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/22/23 08:58	06/23/23 02:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/22/23 08:58	06/23/23 02:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/22/23 08:58	06/23/23 02:37	1
m-Xylene & p-Xylene	<0.00402	U *1	0.00402		mg/Kg		06/22/23 08:58	06/23/23 02:37	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		06/22/23 08:58	06/23/23 02:37	1
Xylenes, Total	<0.00402	U *1	0.00402		mg/Kg		06/22/23 08:58	06/23/23 02:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	06/22/23 08:58	06/23/23 02:37	1
1,4-Difluorobenzene (Surr)	82		70 - 130	06/22/23 08:58	06/23/23 02:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-29850-22

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/23 11:22	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			06/26/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 13:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 13:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 13:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				06/22/23 13:37	06/23/23 13:22	1
o-Terphenyl	103		70 - 130				06/22/23 13:37	06/23/23 13:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27300		248		mg/Kg			06/23/23 06:16	50

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-29850-23

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 02:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 02:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 02:58	1
m-Xylene & p-Xylene	<0.00401	U *1	0.00401		mg/Kg		06/22/23 08:58	06/23/23 02:58	1
o-Xylene	<0.00200	U *1	0.00200		mg/Kg		06/22/23 08:58	06/23/23 02:58	1
Xylenes, Total	<0.00401	U *1	0.00401		mg/Kg		06/22/23 08:58	06/23/23 02:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				06/22/23 08:58	06/23/23 02:58	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/22/23 08:58	06/23/23 02:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 11:08	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	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 13:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 13:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-29850-23

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 13:37	06/23/23 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				06/22/23 13:37	06/23/23 13:45	1
o-Terphenyl	101		70 - 130				06/22/23 13:37	06/23/23 13:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8960		99.0		mg/Kg			06/23/23 06:34	20

Client Sample ID: S-10 (2')

Lab Sample ID: 880-29850-24

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/22/23 08:58	06/23/23 03:18	1
Toluene	0.00290		0.00198		mg/Kg		06/22/23 08:58	06/23/23 03:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/22/23 08:58	06/23/23 03:18	1
m-Xylene & p-Xylene	<0.00396	U *1	0.00396		mg/Kg		06/22/23 08:58	06/23/23 03:18	1
o-Xylene	<0.00198	U * - *1	0.00198		mg/Kg		06/22/23 08:58	06/23/23 03:18	1
Xylenes, Total	<0.00396	U *1	0.00396		mg/Kg		06/22/23 08:58	06/23/23 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				06/22/23 08:58	06/23/23 03:18	1
1,4-Difluorobenzene (Surr)	83		70 - 130				06/22/23 08:58	06/23/23 03:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/26/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 14:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 14:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 14:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				06/22/23 13:37	06/23/23 14:08	1
o-Terphenyl	120		70 - 130				06/22/23 13:37	06/23/23 14:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9190		99.8		mg/Kg			06/23/23 06:39	20

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy 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)
880-29849-A-1-G MS	Matrix Spike	106	109
880-29849-A-1-H MSD	Matrix Spike Duplicate	100	106
880-29850-1	S-1 (0-1')	97	96
880-29850-1 MS	S-1 (0-1')	96	105
880-29850-1 MSD	S-1 (0-1')	99	92
880-29850-2	S-1 (1.5')	105	99
880-29850-3	S-1 (2')	90	79
880-29850-4	S-2 (0-1')	101	96
880-29850-5	S-2 (1.5')	136 S1+	100
880-29850-6	S-3 (0-1')	115	109
880-29850-7	S-3 (1.5')	111	102
880-29850-8	S-4 (0-1')	106	90
880-29850-9	S-4 (1.5')	114	93
880-29850-10	S-4 (2')	113	95
880-29850-11	S-5 (0-1')	97	85
880-29850-12	S-5 (1.5')	116	94
880-29850-13	S-5 (2')	112	91
880-29850-14	S-6 (0-1')	99	87
880-29850-15	S-6 (1.5')	106	103
880-29850-16	S-7 (0-1')	112	110
880-29850-17	S-7 (1.5')	101	96
880-29850-18	S-8 (0-1')	105	113
880-29850-19	S-8 (1.5')	117	103
880-29850-20	S-9 (0-1')	105	102
880-29850-21	S-9 (1.5')	82	90
880-29850-22	S-10 (0-1')	81	82
880-29850-23	S-10 (1.5')	83	100
880-29850-24	S-10 (2')	91	83
LCS 880-56049/1-B	Lab Control Sample	101	113
LCS 880-56107/1-A	Lab Control Sample	105	121
LCSD 880-56049/2-B	Lab Control Sample Dup	60 S1-	113
LCSD 880-56107/2-A	Lab Control Sample Dup	95	113
MB 880-56049/5-B	Method Blank	67 S1-	99
MB 880-56050/5-A	Method Blank	65 S1-	100
MB 880-56090/5-A	Method Blank	59 S1-	92
MB 880-56107/5-A	Method Blank	56 S1-	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-29850-1	S-1 (0-1')	94	97
880-29850-1 MS	S-1 (0-1')	90	81
880-29850-1 MSD	S-1 (0-1')	91	81

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-29850-1

Project/Site: Asio Otis Fed #3 (6.2.23)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-29850-2	S-1 (1.5')	92	96
880-29850-3	S-1 (2')	110	116
880-29850-4	S-2 (0-1')	89	94
880-29850-5	S-2 (1.5')	90	94
880-29850-6	S-3 (0-1')	86	88
880-29850-7	S-3 (1.5')	85	85
880-29850-8	S-4 (0-1')	82	79
880-29850-9	S-4 (1.5')	86	88
880-29850-10	S-4 (2')	96	101
880-29850-11	S-5 (0-1')	87	92
880-29850-12	S-5 (1.5')	88	93
880-29850-13	S-5 (2')	87	93
880-29850-14	S-6 (0-1')	86	90
880-29850-15	S-6 (1.5')	86	89
880-29850-16	S-7 (0-1')	88	91
880-29850-17	S-7 (1.5')	88	92
880-29850-18	S-8 (0-1')	89	89
880-29850-19	S-8 (1.5')	92	95
880-29850-20	S-9 (0-1')	89	94
880-29850-21	S-9 (1.5')	130	121
880-29850-21 MS	S-9 (1.5')	120	99
880-29850-21 MSD	S-9 (1.5')	120	99
880-29850-22	S-10 (0-1')	114	103
880-29850-23	S-10 (1.5')	110	101
880-29850-24	S-10 (2')	132 S1+	120
LCS 880-56046/2-A	Lab Control Sample	90	91
LCS 880-56098/2-A	Lab Control Sample	113	101
LCSD 880-56046/3-A	Lab Control Sample Dup	87	83
LCSD 880-56098/3-A	Lab Control Sample Dup	106	95
MB 880-56046/1-A	Method Blank	112	117
MB 880-56098/1-A	Method Blank	143 S1+	133 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56049/5-B

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56049

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 08:58	06/22/23 21:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	06/22/23 08:58	06/22/23 21:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/22/23 08:58	06/22/23 21:46	1

Lab Sample ID: LCS 880-56049/1-B

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1158		mg/Kg		116	70 - 130
Toluene	0.100	0.1027		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1005		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2071		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1005		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-56049/2-B

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1215		mg/Kg		122	70 - 130	5	35
Toluene	0.100	0.09141		mg/Kg		91	70 - 130	12	35
Ethylbenzene	0.100	0.07666		mg/Kg		77	70 - 130	27	35
m-Xylene & p-Xylene	0.200	0.1420	*1	mg/Kg		71	70 - 130	37	35
o-Xylene	0.100	0.06671	*- *1	mg/Kg		67	70 - 130	40	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-29849-A-1-G MS

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.1115		mg/Kg		112	70 - 130
Toluene	<0.00202	U	0.0996	0.09417		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-A-1-G MS

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0996	0.09343		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00403	U *1	0.199	0.1831		mg/Kg		92	70 - 130
o-Xylene	<0.00202	U *- *1	0.0996	0.09145		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-29849-A-1-H MSD

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.1071		mg/Kg		108	70 - 130	4	35
Toluene	<0.00202	U	0.0990	0.09186		mg/Kg		92	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.0990	0.08794		mg/Kg		89	70 - 130	6	35
m-Xylene & p-Xylene	<0.00403	U *1	0.198	0.1726		mg/Kg		87	70 - 130	6	35
o-Xylene	<0.00202	U *- *1	0.0990	0.08592		mg/Kg		87	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-56050/5-A

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56050

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 09:04	06/22/23 11:04	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	06/22/23 09:04	06/22/23 11:04	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/22/23 09:04	06/22/23 11:04	1

Lab Sample ID: MB 880-56090/5-A

Matrix: Solid

Analysis Batch: 56092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56090

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 12:05	06/22/23 15:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 12:05	06/22/23 15:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 12:05	06/22/23 15:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 12:05	06/22/23 15:58	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-56090/5-A

Matrix: Solid

Analysis Batch: 56092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56090

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 12:05	06/22/23 15:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 12:05	06/22/23 15:58	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	59	S1-	70 - 130				06/22/23 12:05	06/22/23 15:58	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/22/23 12:05	06/22/23 15:58	1

Lab Sample ID: MB 880-56107/5-A

Matrix: Solid

Analysis Batch: 56092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56107

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 05:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 05:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 05:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 14:18	06/23/23 05:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 14:18	06/23/23 05:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 14:18	06/23/23 05:29	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130				06/22/23 14:18	06/23/23 05:29	1
1,4-Difluorobenzene (Surr)	89		70 - 130				06/22/23 14:18	06/23/23 05:29	1

Lab Sample ID: LCS 880-56107/1-A

Matrix: Solid

Analysis Batch: 56092

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1258		mg/Kg		126	70 - 130		
Toluene	0.100	0.1107		mg/Kg		111	70 - 130		
Ethylbenzene	0.100	0.1133		mg/Kg		113	70 - 130		
m-Xylene & p-Xylene	0.200	0.2196		mg/Kg		110	70 - 130		
o-Xylene	0.100	0.1132		mg/Kg		113	70 - 130		
Surrogate	LCS	LCS	Limits				%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)		105	70 - 130						
1,4-Difluorobenzene (Surr)		121	70 - 130						

Lab Sample ID: LCSD 880-56107/2-A

Matrix: Solid

Analysis Batch: 56092

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56107

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		
								RPD	Limit
Benzene	0.100	0.1291		mg/Kg		129	70 - 130	3	35
Toluene	0.100	0.1175		mg/Kg		118	70 - 130	6	35
Ethylbenzene	0.100	0.1062		mg/Kg		106	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2176		mg/Kg		109	70 - 130	1	35
o-Xylene	0.100	0.1151		mg/Kg		115	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-29850-1 MS

Matrix: Solid

Analysis Batch: 56092

Client Sample ID: S-1 (0-1')

Prep Type: Total/NA

Prep Batch: 56107

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.1027		mg/Kg		102	70 - 130
Toluene	<0.00199	U	0.101	0.08843		mg/Kg		88	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.08353		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1579		mg/Kg		78	70 - 130
o-Xylene	<0.00199	U	0.101	0.08123		mg/Kg		80	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-29850-1 MSD

Matrix: Solid

Analysis Batch: 56092

Client Sample ID: S-1 (0-1')

Prep Type: Total/NA

Prep Batch: 56107

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.1009		mg/Kg		101	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.08717		mg/Kg		87	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.100	0.08110		mg/Kg		81	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1537		mg/Kg		77	70 - 130	3	35
o-Xylene	<0.00199	U	0.100	0.07614		mg/Kg		76	70 - 130	6	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-56046/1-A

Matrix: Solid

Analysis Batch: 56141

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56046

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 07:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 07:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 08:00	06/23/23 07:48	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	112		70 - 130	06/22/23 08:00	06/23/23 07:48	1			
o-Terphenyl	117		70 - 130	06/22/23 08:00	06/23/23 07:48	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-56046/2-A

Matrix: Solid

Analysis Batch: 56141

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56046

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	901.8		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	951.1		mg/Kg		95	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	90		70 - 130				
o-Terphenyl	91		70 - 130				

Lab Sample ID: LCSD 880-56046/3-A

Matrix: Solid

Analysis Batch: 56141

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56046

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	896.4		mg/Kg		90	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	952.4		mg/Kg		95	70 - 130	0	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	87		70 - 130						
o-Terphenyl	83		70 - 130						

Lab Sample ID: 880-29850-1 MS

Matrix: Solid

Analysis Batch: 56141

Client Sample ID: S-1 (0-1')

Prep Type: Total/NA

Prep Batch: 56046

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	874.2		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	822.0		mg/Kg		79	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
1-Chlorooctane	90		70 - 130						
o-Terphenyl	81		70 - 130						

Lab Sample ID: 880-29850-1 MSD

Matrix: Solid

Analysis Batch: 56141

Client Sample ID: S-1 (0-1')

Prep Type: Total/NA

Prep Batch: 56046

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	879.1		mg/Kg		88	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	823.5		mg/Kg		79	70 - 130	0	20
Surrogate	%Recovery	MSD Qualifier	Limits								
1-Chlorooctane	91		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29850-1 MSD

Matrix: Solid

Analysis Batch: 56141

Client Sample ID: S-1 (0-1')

Prep Type: Total/NA

Prep Batch: 56046

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	81		70 - 130

Lab Sample ID: MB 880-56098/1-A

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56098

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 09:08	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 09:08	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 09:08	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	143	S1+	70 - 130				06/22/23 13:37	06/23/23 09:08	1	
<i>o</i> -Terphenyl	133	S1+	70 - 130				06/22/23 13:37	06/23/23 09:08	1	

Lab Sample ID: LCS 880-56098/2-A

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56098

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	909.5		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	943.2		mg/Kg		94	70 - 130		
Surrogate										
1-Chlorooctane			113							
<i>o</i> -Terphenyl			101							

Lab Sample ID: LCSD 880-56098/3-A

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56098

		Spike	LCSD	LCSD				%Rec		RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10		1000	989.2		mg/Kg		99	70 - 130	8	20	
Diesel Range Organics (Over C10-C28)		1000	968.7		mg/Kg		97	70 - 130	3	20	
Surrogate											
1-Chlorooctane			106								
<i>o</i> -Terphenyl			95								

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29850-21 MS

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: S-9 (1.5')

Prep Type: Total/NA

Prep Batch: 56098

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1044		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1017		mg/Kg		97	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	120		70 - 130								
o-Terphenyl	99		70 - 130								

Lab Sample ID: 880-29850-21 MSD

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: S-9 (1.5')

Prep Type: Total/NA

Prep Batch: 56098

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1018		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1034		mg/Kg		99	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	120		70 - 130								
o-Terphenyl	99		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-56030/1-A

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			06/23/23 01:13	1

Lab Sample ID: LCS 880-56030/2-A

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Chloride	250	252.2		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-56030/3-A

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits
Chloride			250	253.5		mg/Kg		101	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-29850-11 MS

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: S-5 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	57300		12500	69780	4	mg/Kg		100	90 - 110

Lab Sample ID: 880-29850-11 MSD

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: S-5 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	57300		12500	69850	4	mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-56031/1-A

Matrix: Solid

Analysis Batch: 56126

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/23/23 04:37	1

Lab Sample ID: LCS 880-56031/2-A

Matrix: Solid

Analysis Batch: 56126

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.9		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-56031/3-A

Matrix: Solid

Analysis Batch: 56126

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-29850-1 MS

Matrix: Solid

Analysis Batch: 56126

Client Sample ID: S-1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	24700		12500	36490		mg/Kg		94	90 - 110

Lab Sample ID: 880-29850-1 MSD

Matrix: Solid

Analysis Batch: 56126

Client Sample ID: S-1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	24700		12500	36480		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-29850-22 MS

Matrix: Solid

Analysis Batch: 56126

Client Sample ID: S-10 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	27300		12400	40330		mg/Kg		105	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-29850-22 MSD

Client Sample ID: S-10 (0-1')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 56126

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Chloride	27300		12400	40410		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 56047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-21	S-9 (1.5')	Total/NA	Solid	8021B	56049
880-29850-22	S-10 (0-1')	Total/NA	Solid	8021B	56049
880-29850-23	S-10 (1.5')	Total/NA	Solid	8021B	56049
880-29850-24	S-10 (2')	Total/NA	Solid	8021B	56049
MB 880-56049/5-B	Method Blank	Total/NA	Solid	8021B	56049
MB 880-56050/5-A	Method Blank	Total/NA	Solid	8021B	56050
LCS 880-56049/1-B	Lab Control Sample	Total/NA	Solid	8021B	56049
LCSD 880-56049/2-B	Lab Control Sample Dup	Total/NA	Solid	8021B	56049
880-29849-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	56049
880-29849-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	56049

Prep Batch: 56049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-21	S-9 (1.5')	Total/NA	Solid	5035	
880-29850-22	S-10 (0-1')	Total/NA	Solid	5035	
880-29850-23	S-10 (1.5')	Total/NA	Solid	5035	
880-29850-24	S-10 (2')	Total/NA	Solid	5035	
MB 880-56049/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-56049/1-B	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56049/2-B	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29849-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-29849-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 56050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56050/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 56090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56090/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 56092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Total/NA	Solid	8021B	56107
880-29850-2	S-1 (1.5')	Total/NA	Solid	8021B	56107
880-29850-3	S-1 (2')	Total/NA	Solid	8021B	56107
880-29850-4	S-2 (0-1')	Total/NA	Solid	8021B	56107
880-29850-5	S-2 (1.5')	Total/NA	Solid	8021B	56107
880-29850-6	S-3 (0-1')	Total/NA	Solid	8021B	56107
880-29850-7	S-3 (1.5')	Total/NA	Solid	8021B	56107
880-29850-8	S-4 (0-1')	Total/NA	Solid	8021B	56107
880-29850-9	S-4 (1.5')	Total/NA	Solid	8021B	56107
880-29850-10	S-4 (2')	Total/NA	Solid	8021B	56107
880-29850-11	S-5 (0-1')	Total/NA	Solid	8021B	56107
880-29850-12	S-5 (1.5')	Total/NA	Solid	8021B	56107
880-29850-13	S-5 (2')	Total/NA	Solid	8021B	56107
880-29850-14	S-6 (0-1')	Total/NA	Solid	8021B	56107
880-29850-15	S-6 (1.5')	Total/NA	Solid	8021B	56107
880-29850-16	S-7 (0-1')	Total/NA	Solid	8021B	56107
880-29850-17	S-7 (1.5')	Total/NA	Solid	8021B	56107
880-29850-18	S-8 (0-1')	Total/NA	Solid	8021B	56107

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QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 56092 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-19	S-8 (1.5')	Total/NA	Solid	8021B	56107
880-29850-20	S-9 (0-1')	Total/NA	Solid	8021B	56107
MB 880-56090/5-A	Method Blank	Total/NA	Solid	8021B	56090
MB 880-56107/5-A	Method Blank	Total/NA	Solid	8021B	56107
LCS 880-56107/1-A	Lab Control Sample	Total/NA	Solid	8021B	56107
LCSD 880-56107/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56107
880-29850-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	56107
880-29850-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	56107

Prep Batch: 56107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Total/NA	Solid	5035	
880-29850-2	S-1 (1.5')	Total/NA	Solid	5035	
880-29850-3	S-1 (2')	Total/NA	Solid	5035	
880-29850-4	S-2 (0-1')	Total/NA	Solid	5035	
880-29850-5	S-2 (1.5')	Total/NA	Solid	5035	
880-29850-6	S-3 (0-1')	Total/NA	Solid	5035	
880-29850-7	S-3 (1.5')	Total/NA	Solid	5035	
880-29850-8	S-4 (0-1')	Total/NA	Solid	5035	
880-29850-9	S-4 (1.5')	Total/NA	Solid	5035	
880-29850-10	S-4 (2')	Total/NA	Solid	5035	
880-29850-11	S-5 (0-1')	Total/NA	Solid	5035	
880-29850-12	S-5 (1.5')	Total/NA	Solid	5035	
880-29850-13	S-5 (2')	Total/NA	Solid	5035	
880-29850-14	S-6 (0-1')	Total/NA	Solid	5035	
880-29850-15	S-6 (1.5')	Total/NA	Solid	5035	
880-29850-16	S-7 (0-1')	Total/NA	Solid	5035	
880-29850-17	S-7 (1.5')	Total/NA	Solid	5035	
880-29850-18	S-8 (0-1')	Total/NA	Solid	5035	
880-29850-19	S-8 (1.5')	Total/NA	Solid	5035	
880-29850-20	S-9 (0-1')	Total/NA	Solid	5035	
MB 880-56107/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56107/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56107/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29850-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-29850-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 56191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-29850-4	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-5	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-6	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-7	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-8	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-9	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-10	S-4 (2')	Total/NA	Solid	Total BTEX	
880-29850-11	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-12	S-5 (1.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 56191 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-13	S-5 (2')	Total/NA	Solid	Total BTEX	
880-29850-14	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-15	S-6 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-16	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-17	S-7 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-18	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-19	S-8 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-20	S-9 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-21	S-9 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-22	S-10 (0-1')	Total/NA	Solid	Total BTEX	
880-29850-23	S-10 (1.5')	Total/NA	Solid	Total BTEX	
880-29850-24	S-10 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 56046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-29850-4	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-5	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-6	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-7	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-8	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-9	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-10	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-29850-11	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-12	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-13	S-5 (2')	Total/NA	Solid	8015NM Prep	
880-29850-14	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-15	S-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-16	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-17	S-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-18	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-19	S-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-20	S-9 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-56046/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56046/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56046/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29850-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 56098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-21	S-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-22	S-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-29850-23	S-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-24	S-10 (2')	Total/NA	Solid	8015NM Prep	
MB 880-56098/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56098/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 56098 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-56098/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29850-21 MS	S-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-29850-21 MSD	S-9 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-2	S-1 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-3	S-1 (2')	Total/NA	Solid	8015B NM	56046
880-29850-4	S-2 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-5	S-2 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-6	S-3 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-7	S-3 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-8	S-4 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-9	S-4 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-10	S-4 (2')	Total/NA	Solid	8015B NM	56046
880-29850-11	S-5 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-12	S-5 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-13	S-5 (2')	Total/NA	Solid	8015B NM	56046
880-29850-14	S-6 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-15	S-6 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-16	S-7 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-17	S-7 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-18	S-8 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-19	S-8 (1.5')	Total/NA	Solid	8015B NM	56046
880-29850-20	S-9 (0-1')	Total/NA	Solid	8015B NM	56046
MB 880-56046/1-A	Method Blank	Total/NA	Solid	8015B NM	56046
LCS 880-56046/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56046
LCSD 880-56046/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56046
880-29850-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	56046
880-29850-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	56046

Analysis Batch: 56145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-21	S-9 (1.5')	Total/NA	Solid	8015B NM	56098
880-29850-22	S-10 (0-1')	Total/NA	Solid	8015B NM	56098
880-29850-23	S-10 (1.5')	Total/NA	Solid	8015B NM	56098
880-29850-24	S-10 (2')	Total/NA	Solid	8015B NM	56098
MB 880-56098/1-A	Method Blank	Total/NA	Solid	8015B NM	56098
LCS 880-56098/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56098
LCSD 880-56098/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56098
880-29850-21 MS	S-9 (1.5')	Total/NA	Solid	8015B NM	56098
880-29850-21 MSD	S-9 (1.5')	Total/NA	Solid	8015B NM	56098

Analysis Batch: 56329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-29850-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-29850-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-29850-4	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-29850-5	S-2 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 56329 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-6	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-29850-7	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-29850-8	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-29850-9	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-29850-10	S-4 (2')	Total/NA	Solid	8015 NM	
880-29850-11	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-29850-12	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-29850-13	S-5 (2')	Total/NA	Solid	8015 NM	
880-29850-14	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-29850-15	S-6 (1.5')	Total/NA	Solid	8015 NM	
880-29850-16	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-29850-17	S-7 (1.5')	Total/NA	Solid	8015 NM	
880-29850-18	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-29850-19	S-8 (1.5')	Total/NA	Solid	8015 NM	
880-29850-20	S-9 (0-1')	Total/NA	Solid	8015 NM	
880-29850-21	S-9 (1.5')	Total/NA	Solid	8015 NM	
880-29850-22	S-10 (0-1')	Total/NA	Solid	8015 NM	
880-29850-23	S-10 (1.5')	Total/NA	Solid	8015 NM	
880-29850-24	S-10 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 56030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-10	S-4 (2')	Soluble	Solid	DI Leach	
880-29850-11	S-5 (0-1')	Soluble	Solid	DI Leach	
880-29850-12	S-5 (1.5')	Soluble	Solid	DI Leach	
880-29850-13	S-5 (2')	Soluble	Solid	DI Leach	
880-29850-14	S-6 (0-1')	Soluble	Solid	DI Leach	
880-29850-15	S-6 (1.5')	Soluble	Solid	DI Leach	
880-29850-16	S-7 (0-1')	Soluble	Solid	DI Leach	
880-29850-17	S-7 (1.5')	Soluble	Solid	DI Leach	
880-29850-18	S-8 (0-1')	Soluble	Solid	DI Leach	
880-29850-19	S-8 (1.5')	Soluble	Solid	DI Leach	
880-29850-20	S-9 (0-1')	Soluble	Solid	DI Leach	
MB 880-56030/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56030/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56030/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29850-11 MS	S-5 (0-1')	Soluble	Solid	DI Leach	
880-29850-11 MSD	S-5 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 56031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-29850-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-29850-3	S-1 (2')	Soluble	Solid	DI Leach	
880-29850-4	S-2 (0-1')	Soluble	Solid	DI Leach	
880-29850-5	S-2 (1.5')	Soluble	Solid	DI Leach	
880-29850-6	S-3 (0-1')	Soluble	Solid	DI Leach	
880-29850-7	S-3 (1.5')	Soluble	Solid	DI Leach	
880-29850-8	S-4 (0-1')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 56031 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-9	S-4 (1.5')	Soluble	Solid	DI Leach	
880-29850-21	S-9 (1.5')	Soluble	Solid	DI Leach	
880-29850-22	S-10 (0-1')	Soluble	Solid	DI Leach	
880-29850-23	S-10 (1.5')	Soluble	Solid	DI Leach	
880-29850-24	S-10 (2')	Soluble	Solid	DI Leach	
MB 880-56031/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56031/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56031/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29850-1 MS	S-1 (0-1')	Soluble	Solid	DI Leach	
880-29850-1 MSD	S-1 (0-1')	Soluble	Solid	DI Leach	
880-29850-22 MS	S-10 (0-1')	Soluble	Solid	DI Leach	
880-29850-22 MSD	S-10 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 56105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-10	S-4 (2')	Soluble	Solid	300.0	56030
880-29850-11	S-5 (0-1')	Soluble	Solid	300.0	56030
880-29850-12	S-5 (1.5')	Soluble	Solid	300.0	56030
880-29850-13	S-5 (2')	Soluble	Solid	300.0	56030
880-29850-14	S-6 (0-1')	Soluble	Solid	300.0	56030
880-29850-15	S-6 (1.5')	Soluble	Solid	300.0	56030
880-29850-16	S-7 (0-1')	Soluble	Solid	300.0	56030
880-29850-17	S-7 (1.5')	Soluble	Solid	300.0	56030
880-29850-18	S-8 (0-1')	Soluble	Solid	300.0	56030
880-29850-19	S-8 (1.5')	Soluble	Solid	300.0	56030
880-29850-20	S-9 (0-1')	Soluble	Solid	300.0	56030
MB 880-56030/1-A	Method Blank	Soluble	Solid	300.0	56030
LCS 880-56030/2-A	Lab Control Sample	Soluble	Solid	300.0	56030
LCSD 880-56030/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56030
880-29850-11 MS	S-5 (0-1')	Soluble	Solid	300.0	56030
880-29850-11 MSD	S-5 (0-1')	Soluble	Solid	300.0	56030

Analysis Batch: 56126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1	S-1 (0-1')	Soluble	Solid	300.0	56031
880-29850-2	S-1 (1.5')	Soluble	Solid	300.0	56031
880-29850-3	S-1 (2')	Soluble	Solid	300.0	56031
880-29850-4	S-2 (0-1')	Soluble	Solid	300.0	56031
880-29850-5	S-2 (1.5')	Soluble	Solid	300.0	56031
880-29850-6	S-3 (0-1')	Soluble	Solid	300.0	56031
880-29850-7	S-3 (1.5')	Soluble	Solid	300.0	56031
880-29850-8	S-4 (0-1')	Soluble	Solid	300.0	56031
880-29850-9	S-4 (1.5')	Soluble	Solid	300.0	56031
880-29850-21	S-9 (1.5')	Soluble	Solid	300.0	56031
880-29850-22	S-10 (0-1')	Soluble	Solid	300.0	56031
880-29850-23	S-10 (1.5')	Soluble	Solid	300.0	56031
880-29850-24	S-10 (2')	Soluble	Solid	300.0	56031
MB 880-56031/1-A	Method Blank	Soluble	Solid	300.0	56031
LCS 880-56031/2-A	Lab Control Sample	Soluble	Solid	300.0	56031
LCSD 880-56031/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56031
880-29850-1 MS	S-1 (0-1')	Soluble	Solid	300.0	56031

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 56126 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29850-1 MSD	S-1 (0-1')	Soluble	Solid	300.0	56031
880-29850-22 MS	S-10 (0-1')	Soluble	Solid	300.0	56031
880-29850-22 MSD	S-10 (0-1')	Soluble	Solid	300.0	56031

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

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-1
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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 05:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 10:24	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 04:54	CH	EET MID

Client Sample ID: S-1 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 06:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 11:35	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 05:12	CH	EET MID

Client Sample ID: S-1 (2')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 06:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 11:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		20			56126	06/23/23 05:18	CH	EET MID

Client Sample ID: S-2 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 07:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-29850-4

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 12:22	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 05:23	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-29850-5

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Prep 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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 07:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 12:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 05:29	CH	EET MID

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-29850-6

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Prep 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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 08:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 13:11	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 05:47	CH	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-29850-7

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 08:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 13:36	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-29850-7

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		20			56126	06/23/23 05:53	CH	EET MID

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-29850-8

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 08:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 14:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		20			56126	06/23/23 05:59	CH	EET MID

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-29850-9

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Prep 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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 09:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 14:30	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		10			56126	06/23/23 06:05	CH	EET MID

Client Sample ID: S-4 (2')

Lab Sample ID: 880-29850-10

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Prep 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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 09:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 14:55	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		10			56105	06/23/23 02:46	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-29850-11

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 11:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 15:46	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 02:52	CH	EET MID

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-29850-12

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 11:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 16:14	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 03:09	CH	EET MID

Client Sample ID: S-5 (2')

Lab Sample ID: 880-29850-13

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 12:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 16:41	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		20			56105	06/23/23 03:15	CH	EET MID

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-29850-14

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Prep 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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 12:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-29850-14

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 17:07	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 03:33	CH	EET MID

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-29850-15

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Prep 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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 13:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 17:33	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 03:39	CH	EET MID

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-29850-16

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Prep 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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 13:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 17:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 03:44	CH	EET MID

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-29850-17

Date Collected: 06/21/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 14:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 18:24	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-7 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-17
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			4.95 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 03:50	CH	EET MID

Client Sample ID: S-8 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-18
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			4.99 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 14:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 18:49	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 03:56	CH	EET MID

Client Sample ID: S-8 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-19
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			5.03 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 15:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 19:13	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 04:02	CH	EET MID

Client Sample ID: S-9 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	56107	06/22/23 14:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56092	06/23/23 15:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/26/23 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56046	06/22/23 08:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56141	06/23/23 19:37	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		50			56105	06/23/23 04:08	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-9 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-21
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			5.01 g	5 mL	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 01:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 12:14	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 06:10	CH	EET MID

Client Sample ID: S-10 (0-1')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-22
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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 02:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 13:22	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		50			56126	06/23/23 06:16	CH	EET MID

Client Sample ID: S-10 (1.5')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 02:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56329	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 13:45	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		20			56126	06/23/23 06:34	CH	EET MID

Client Sample ID: S-10 (2')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 03:18	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56191	06/23/23 11:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Client Sample ID: S-10 (2')
Date Collected: 06/21/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29850-24
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			56329	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 14:08	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56031	06/21/23 16:46	KS	EET MID
Soluble	Analysis	300.0		20			56126	06/23/23 06:39	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29850-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29850-1	S-1 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-2	S-1 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-3	S-1 (2')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-4	S-2 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-5	S-2 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-6	S-3 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-7	S-3 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-8	S-4 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-9	S-4 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-10	S-4 (2')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-11	S-5 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-12	S-5 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-13	S-5 (2')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-14	S-6 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-15	S-6 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-16	S-7 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-17	S-7 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-18	S-8 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-19	S-8 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-20	S-9 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-21	S-9 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-22	S-10 (0-1')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-23	S-10 (1.5')	Solid	06/21/23 00:00	06/21/23 15:47
880-29850-24	S-10 (2')	Solid	06/21/23 00:00	06/21/23 15:47

Work Order No: 29850

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Work Order Comments

Program: ☐ PST ☐ PRP ☐ Rowfields ☐ RC ☐ perfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Manager Corner Moehring

Company Name Carmona Resources

Address 310 W Wall St Ste 500

City, State ZIP Midland, TX 79701

Phone: 432-813-6823

Bill to (if different) Carmona Resources

Company Name

Address

City, State ZIP

Email mcarmona@carmonaresources.com

Project Name		Asio Otis Fed #3 (6.2.23)		Turn Around		Parameters		ANALYSIS REQUEST		Preservative Codes	
Project Number	2065	Temp Blank	Yes No	Wet Ice	Yes No	Pres. Code					
Project Location	Eddy County, New Mexico	Received Intact:	Yes No	Thermometer ID	Yes No						
Sampler's Name	FV	Cooler Custody Seals	Yes No	Correction Factor	Yes No						
P.O. #:		Sample Custody Seals	Yes No	Temperature Reading	Yes No						
Total Containers		Corrected Temperature									
S-1 (0-1')	6/20/2023										
S-1 (1.5')	6/20/2023										
S-1 (2')	6/20/2023										
S-2 (0-1')	6/20/2023										
S-2 (1.5')	6/20/2023										
S-3 (0-1')	6/20/2023										
S-3 (1.5')	6/20/2023										
S-4 (0-1')	6/20/2023										
S-4 (1.5')	6/20/2023										
S-4 (2')	6/20/2023										

Parameters: BTEX 8021B, TPH 8015M (GRO + DRO + MRO), Chloride 300.0

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

Sample Comments: 402

Barcode: 890-29850 Chain of Custody

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Carmona</i>	6-21-23	<i>[Signature]</i>	

Work Order No:

Page 2 of 3

Page 2 of 3

Program: ☐ US/PST ☐ PRP ☐ Rowfields ☐ RC ☐ perfund

State of Project:

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

Deliverables: EDD ☐ ADAPT ☐ Other

Work Order Comments

Project Manager	Conner Moehring		Bill to (if different)	Carmona Resources
Company Name	Carmona Resources		Company Name	
Address	310 W Wall St Ste 500		Address	
City, State ZIP	Midland, TX 79701		City, State ZIP	
Phone:	432-813-6823		Email	mcarmona@carmonaresources.com

[illegible]

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	10-21-23 15:01		

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Work Order No: 191850

Page 3 of 3

Project Manager Conner Moehring		Bill to (if different)		Carmona Resources	
Company Name Carmona Resources		Company Name			
Address 310 W Wall St Ste 500		Address			
City, State ZIP Midland, TX 79701		City, State ZIP			
Phone 432-813-6823		Email mcarmona@carmonaresources.com			

Project Name Asio Otis Fed #3 (6.2.23)		Turn Around		Pres. Code	
Project Number 2065		☐ Routine ☒ Rush			
Project Location Eddy County, New Mexico		Due Date 72 Hrs			
Sampler's Name FV					
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	Pres. Code	ANALYSIS REQUEST										Preservative Codes									
S-9 (1.5')	6/20/2023		X		G	1			BTEX 8021B										None NO									
S-10 (0-1')	6/20/2023		X		G	1			TPH 8015M (GRO + DRO + MRO)										Cool Cool									
S-10 (1.5')	6/20/2023		X		G	1													HCL HC									
S-10 (2')	6/20/2023		X		G	1													H ₂ SO ₄ H ₂									
																			H ₃ PO ₄ HP									
																			NaHSO ₄ NABIS									
																			Na ₂ S ₂ O ₃ NaSO ₃									
																			Zn Acetate+NaOH Zn									
																			NaOH+Ascorbic Acid SAPC									

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

Loc: 880	
29850	

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

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
<i>Carmona</i>		6-21-23		<i>[Signature]</i>			
		1547					

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-29850-1
SDG Number: Eddy County, New Mexico

Login Number: 29850

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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/26/2023 10:49:01 AM

JOB DESCRIPTION

Asio Otis Fed #3 (6.2.23)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-29849-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
6/26/2023 10:49:01 AM

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

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Laboratory Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

Job ID: 880-29849-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-29849-1**

Receipt

The samples were received on 6/21/2023 3:47 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-29849-1), H-2 (0-0.5') (880-29849-2), H-3 (0-0.5') (880-29849-3), H-4 (0-0.5') (880-29849-4), H-5 (0-0.5') (880-29849-5), H-6 (0-0.5') (880-29849-6), H-7 (0-0.5') (880-29849-7), H-8 (0-0.5') (880-29849-8) and H-9 (0-0.5') (880-29849-9).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCSD 880-56049/2-B), (MB 880-56049/5-B) and (MB 880-56050/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-56049 and analytical batch 880-56047 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: The surrogate recovery for the blank associated with preparation batch 880-56098 and analytical batch 880-56145 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-5 (0-0.5') (880-29849-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-8 (0-0.5') (880-29849-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-56145 recovered below the lower control limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-56145/31).

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: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-1

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/22/23 08:58	06/22/23 22:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/22/23 08:58	06/22/23 22:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/22/23 08:58	06/22/23 22:08	1
m-Xylene & p-Xylene	<0.00403	U *1	0.00403		mg/Kg		06/22/23 08:58	06/22/23 22:08	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		06/22/23 08:58	06/22/23 22:08	1
Xylenes, Total	<0.00403	U *1	0.00403		mg/Kg		06/22/23 08:58	06/22/23 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	06/22/23 08:58	06/22/23 22:08	1
1,4-Difluorobenzene (Surr)	82		70 - 130	06/22/23 08:58	06/22/23 22:08	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			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 11:08	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	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 14:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 14:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	06/22/23 13:37	06/23/23 14:32	1
o-Terphenyl	80		70 - 130	06/22/23 13:37	06/23/23 14:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.2		4.96		mg/Kg			06/23/23 01:31	1

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

Lab Sample ID: 880-29849-2

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/22/23 22:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/22/23 22:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/22/23 22:29	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		06/22/23 08:58	06/22/23 22:29	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		06/22/23 08:58	06/22/23 22:29	1
Xylenes, Total	<0.00398	U *1	0.00398		mg/Kg		06/22/23 08:58	06/22/23 22:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	06/22/23 08:58	06/22/23 22:29	1
1,4-Difluorobenzene (Surr)	75		70 - 130	06/22/23 08:58	06/22/23 22:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-2

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 11:08	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	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 14:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 14:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				06/22/23 13:37	06/23/23 14:55	1
o-Terphenyl	79		70 - 130				06/22/23 13:37	06/23/23 14:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.1		4.99		mg/Kg			06/23/23 01:48	1

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

Lab Sample ID: 880-29849-3

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/22/23 08:58	06/22/23 22:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/22/23 08:58	06/22/23 22:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/22/23 08:58	06/22/23 22:49	1
m-Xylene & p-Xylene	<0.00396	U *1	0.00396		mg/Kg		06/22/23 08:58	06/22/23 22:49	1
o-Xylene	<0.00198	U *1	0.00198		mg/Kg		06/22/23 08:58	06/22/23 22:49	1
Xylenes, Total	<0.00396	U *1	0.00396		mg/Kg		06/22/23 08:58	06/22/23 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				06/22/23 08:58	06/22/23 22:49	1
1,4-Difluorobenzene (Surr)	82		70 - 130				06/22/23 08:58	06/22/23 22:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/26/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 15:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 15:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-3

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				06/22/23 13:37	06/23/23 15:19	1
o-Terphenyl	91		70 - 130				06/22/23 13:37	06/23/23 15:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.5		5.02		mg/Kg			06/23/23 01:54	1

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

Lab Sample ID: 880-29849-4

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/22/23 08:58	06/22/23 23:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/22/23 08:58	06/22/23 23:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/22/23 08:58	06/22/23 23:10	1
m-Xylene & p-Xylene	<0.00402	U *1	0.00402		mg/Kg		06/22/23 08:58	06/22/23 23:10	1
o-Xylene	<0.00201	U * - *1	0.00201		mg/Kg		06/22/23 08:58	06/22/23 23:10	1
Xylenes, Total	<0.00402	U *1	0.00402		mg/Kg		06/22/23 08:58	06/22/23 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				06/22/23 08:58	06/22/23 23:10	1
1,4-Difluorobenzene (Surr)	77		70 - 130				06/22/23 08:58	06/22/23 23:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/23 11:22	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			06/26/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 15:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 15:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 15:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				06/22/23 13:37	06/23/23 15:42	1
o-Terphenyl	91		70 - 130				06/22/23 13:37	06/23/23 15:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.7		5.03		mg/Kg			06/23/23 02:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-5

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 23:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 23:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 23:30	1
m-Xylene & p-Xylene	<0.00401	U *1	0.00401		mg/Kg		06/22/23 08:58	06/22/23 23:30	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		06/22/23 08:58	06/22/23 23:30	1
Xylenes, Total	<0.00401	U *1	0.00401		mg/Kg		06/22/23 08:58	06/22/23 23:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	06/22/23 08:58	06/22/23 23:30	1
1,4-Difluorobenzene (Surr)	82		70 - 130	06/22/23 08:58	06/22/23 23:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/23 11:22	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			06/26/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 16:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 16:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	06/22/23 13:37	06/23/23 16:06	1
o-Terphenyl	69	S1-	70 - 130	06/22/23 13:37	06/23/23 16:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.7		4.98		mg/Kg			06/23/23 02:05	1

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

Lab Sample ID: 880-29849-6

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/22/23 08:58	06/22/23 23:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/22/23 08:58	06/22/23 23:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/22/23 08:58	06/22/23 23:51	1
m-Xylene & p-Xylene	<0.00403	U *1	0.00403		mg/Kg		06/22/23 08:58	06/22/23 23:51	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		06/22/23 08:58	06/22/23 23:51	1
Xylenes, Total	<0.00403	U *1	0.00403		mg/Kg		06/22/23 08:58	06/22/23 23:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	06/22/23 08:58	06/22/23 23:51	1
1,4-Difluorobenzene (Surr)	80		70 - 130	06/22/23 08:58	06/22/23 23:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-6

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/26/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 16:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 16:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/22/23 13:37	06/23/23 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				06/22/23 13:37	06/23/23 16:30	1
o-Terphenyl	79		70 - 130				06/22/23 13:37	06/23/23 16:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.6		4.99		mg/Kg			06/23/23 02:23	1

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

Lab Sample ID: 880-29849-7

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:12	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		06/22/23 08:58	06/23/23 00:12	1
o-Xylene	<0.00199	U *1	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:12	1
Xylenes, Total	<0.00398	U *1	0.00398		mg/Kg		06/22/23 08:58	06/23/23 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				06/22/23 08:58	06/23/23 00:12	1
1,4-Difluorobenzene (Surr)	78		70 - 130				06/22/23 08:58	06/23/23 00:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 11:08	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	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 17:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 17:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-7

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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		06/22/23 13:37	06/23/23 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				06/22/23 13:37	06/23/23 17:34	1
o-Terphenyl	87		70 - 130				06/22/23 13:37	06/23/23 17:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.0		4.99		mg/Kg			06/23/23 02:29	1

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

Lab Sample ID: 880-29849-8

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:32	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		06/22/23 08:58	06/23/23 00:32	1
o-Xylene	<0.00199	U * - *1	0.00199		mg/Kg		06/22/23 08:58	06/23/23 00:32	1
Xylenes, Total	<0.00398	U *1	0.00398		mg/Kg		06/22/23 08:58	06/23/23 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				06/22/23 08:58	06/23/23 00:32	1
1,4-Difluorobenzene (Surr)	79		70 - 130				06/22/23 08:58	06/23/23 00:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/23 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/23 11:08	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	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 17:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 17:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/23 13:37	06/23/23 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				06/22/23 13:37	06/23/23 17:58	1
o-Terphenyl	63	S1-	70 - 130				06/22/23 13:37	06/23/23 17:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.4		5.00		mg/Kg			06/23/23 02:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-9

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 00:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 00:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/23/23 00:53	1
m-Xylene & p-Xylene	<0.00400	U *1	0.00400		mg/Kg		06/22/23 08:58	06/23/23 00:53	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		06/22/23 08:58	06/23/23 00:53	1
Xylenes, Total	<0.00400	U *1	0.00400		mg/Kg		06/22/23 08:58	06/23/23 00:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	06/22/23 08:58	06/23/23 00:53	1
1,4-Difluorobenzene (Surr)	79		70 - 130	06/22/23 08:58	06/23/23 00:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/23/23 11:22	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			06/26/23 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 18:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 18:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	06/22/23 13:37	06/23/23 18:22	1
o-Terphenyl	78		70 - 130	06/22/23 13:37	06/23/23 18:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.9		5.01		mg/Kg			06/23/23 02:40	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy 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	DFBZ1				
		(70-130)	(70-130)				
880-29849-1	H-1 (0-0.5')	84	82				
880-29849-1 MS	H-1 (0-0.5')	106	109				
880-29849-1 MSD	H-1 (0-0.5')	100	106				
880-29849-2	H-2 (0-0.5')	87	75				
880-29849-3	H-3 (0-0.5')	87	82				
880-29849-4	H-4 (0-0.5')	88	77				
880-29849-5	H-5 (0-0.5')	90	82				
880-29849-6	H-6 (0-0.5')	89	80				
880-29849-7	H-7 (0-0.5')	85	78				
880-29849-8	H-8 (0-0.5')	86	79				
880-29849-9	H-9 (0-0.5')	86	79				
LCS 880-56049/1-B	Lab Control Sample	101	113				
LCSD 880-56049/2-B	Lab Control Sample Dup	60 S1-	113				
MB 880-56049/5-B	Method Blank	67 S1-	99				
MB 880-56050/5-A	Method Blank	65 S1-	100				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-29849-1	H-1 (0-0.5')	91	80				
880-29849-2	H-2 (0-0.5')	91	79				
880-29849-3	H-3 (0-0.5')	106	91				
880-29849-4	H-4 (0-0.5')	106	91				
880-29849-5	H-5 (0-0.5')	80	69 S1-				
880-29849-6	H-6 (0-0.5')	95	79				
880-29849-7	H-7 (0-0.5')	103	87				
880-29849-8	H-8 (0-0.5')	76	63 S1-				
880-29849-9	H-9 (0-0.5')	98	78				
880-29850-A-21-E MS	Matrix Spike	120	99				
880-29850-A-21-F MSD	Matrix Spike Duplicate	120	99				
LCS 880-56098/2-A	Lab Control Sample	113	101				
LCSD 880-56098/3-A	Lab Control Sample Dup	106	95				
MB 880-56098/1-A	Method Blank	143 S1+	133 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56049/5-B

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56049

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 08:58	06/22/23 21:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 08:58	06/22/23 21:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	06/22/23 08:58	06/22/23 21:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/22/23 08:58	06/22/23 21:46	1

Lab Sample ID: LCS 880-56049/1-B

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1158		mg/Kg		116	70 - 130
Toluene	0.100	0.1027		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1005		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2071		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1005		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-56049/2-B

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1215		mg/Kg		122	70 - 130	5	35
Toluene	0.100	0.09141		mg/Kg		91	70 - 130	12	35
Ethylbenzene	0.100	0.07666		mg/Kg		77	70 - 130	27	35
m-Xylene & p-Xylene	0.200	0.1420	*1	mg/Kg		71	70 - 130	37	35
o-Xylene	0.100	0.06671	*- *1	mg/Kg		67	70 - 130	40	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-29849-1 MS

Matrix: Solid

Analysis Batch: 56047

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

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.1115		mg/Kg		112	70 - 130
Toluene	<0.00202	U	0.0996	0.09417		mg/Kg		93	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-1 MS

Matrix: Solid

Analysis Batch: 56047

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

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0996	0.09343		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00403	U *1	0.199	0.1831		mg/Kg		92	70 - 130
o-Xylene	<0.00202	U *- *1	0.0996	0.09145		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-29849-1 MSD

Matrix: Solid

Analysis Batch: 56047

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

Prep Type: Total/NA

Prep Batch: 56049

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.1071		mg/Kg		108	70 - 130	4	35
Toluene	<0.00202	U	0.0990	0.09186		mg/Kg		92	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.0990	0.08794		mg/Kg		89	70 - 130	6	35
m-Xylene & p-Xylene	<0.00403	U *1	0.198	0.1726		mg/Kg		87	70 - 130	6	35
o-Xylene	<0.00202	U *- *1	0.0990	0.08592		mg/Kg		87	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-56050/5-A

Matrix: Solid

Analysis Batch: 56047

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56050

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/23 09:04	06/22/23 11:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/23 09:04	06/22/23 11:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	06/22/23 09:04	06/22/23 11:04	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/22/23 09:04	06/22/23 11:04	1

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

Lab Sample ID: MB 880-56098/1-A

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56098

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 09:08	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-56098/1-A

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56098

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 09:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/23 13:37	06/23/23 09:08	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				06/22/23 13:37	06/23/23 09:08	1
o-Terphenyl	133	S1+	70 - 130				06/22/23 13:37	06/23/23 09:08	1

Lab Sample ID: LCS 880-56098/2-A

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	909.5		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	943.2		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	113		70 - 130				
o-Terphenyl	101		70 - 130				

Lab Sample ID: LCSD 880-56098/3-A

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56098

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	989.2		mg/Kg		99	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	968.7		mg/Kg		97	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	106		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 880-29850-A-21-E MS

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56098

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	1000	1044		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1017		mg/Kg		97	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	120		70 - 130						
o-Terphenyl	99		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29850-A-21-F MSD

Matrix: Solid

Analysis Batch: 56145

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56098

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	998	1018		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1034		mg/Kg		99	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	120		70 - 130								
o-Terphenyl	99		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-56030/1-A

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/23/23 01:13	1

Lab Sample ID: LCS 880-56030/2-A

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.2		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-56030/3-A

Matrix: Solid

Analysis Batch: 56105

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.5		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-29849-1 MS

Matrix: Solid

Analysis Batch: 56105

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	43.2		248	279.7		mg/Kg		95	90 - 110

Lab Sample ID: 880-29849-1 MSD

Matrix: Solid

Analysis Batch: 56105

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	43.2		248	279.6		mg/Kg		95	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 56047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-2	H-2 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-3	H-3 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-4	H-4 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-5	H-5 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-6	H-6 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-7	H-7 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-8	H-8 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-9	H-9 (0-0.5')	Total/NA	Solid	8021B	56049
MB 880-56049/5-B	Method Blank	Total/NA	Solid	8021B	56049
MB 880-56050/5-A	Method Blank	Total/NA	Solid	8021B	56050
LCS 880-56049/1-B	Lab Control Sample	Total/NA	Solid	8021B	56049
LCSD 880-56049/2-B	Lab Control Sample Dup	Total/NA	Solid	8021B	56049
880-29849-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	56049
880-29849-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	56049

Prep Batch: 56049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-29849-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-29849-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-29849-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-29849-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-29849-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-29849-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-29849-8	H-8 (0-0.5')	Total/NA	Solid	5035	
880-29849-9	H-9 (0-0.5')	Total/NA	Solid	5035	
MB 880-56049/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-56049/1-B	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56049/2-B	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29849-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-29849-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Prep Batch: 56050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56050/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 56190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29849-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

GC Semi VOA

Prep Batch: 56098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29849-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-56098/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56098/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56098/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29850-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-29850-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	56098
880-29849-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	56098
MB 880-56098/1-A	Method Blank	Total/NA	Solid	8015B NM	56098
LCS 880-56098/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56098
LCSD 880-56098/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56098
880-29850-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	56098
880-29850-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	56098

Analysis Batch: 56341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-29849-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 56030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 56030 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-56030/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56030/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56030/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29849-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-29849-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 56105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29849-1	H-1 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-2	H-2 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-3	H-3 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-4	H-4 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-5	H-5 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-6	H-6 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-7	H-7 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-8	H-8 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-9	H-9 (0-0.5')	Soluble	Solid	300.0	56030
MB 880-56030/1-A	Method Blank	Soluble	Solid	300.0	56030
LCS 880-56030/2-A	Lab Control Sample	Soluble	Solid	300.0	56030
LCSD 880-56030/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56030
880-29849-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	56030
880-29849-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	56030

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-1

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/22/23 22:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 14:32	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 01:31	CH	EET MID

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

Lab Sample ID: 880-29849-2

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Prep 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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/22/23 22:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 14:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 01:48	CH	EET MID

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

Lab Sample ID: 880-29849-3

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Prep 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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/22/23 22:49	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 15:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 01:54	CH	EET MID

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

Lab Sample ID: 880-29849-4

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/22/23 23:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29849-4

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 15:42	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 02:00	CH	EET MID

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

Lab Sample ID: 880-29849-5

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/22/23 23:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 16:06	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 02:05	CH	EET MID

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

Lab Sample ID: 880-29849-6

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/22/23 23:51	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 16:30	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 02:23	CH	EET MID

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

Lab Sample ID: 880-29849-7

Date Collected: 06/20/23 00:00

Matrix: Solid

Date Received: 06/21/23 15:47

Prep 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	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 00:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 17:34	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

Client Sample ID: H-7 (0-0.5')
Date Collected: 06/20/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29849-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 02:29	CH	EET MID

Client Sample ID: H-8 (0-0.5')
Date Collected: 06/20/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29849-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 00:32	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 17:58	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 02:35	CH	EET MID

Client Sample ID: H-9 (0-0.5')
Date Collected: 06/20/23 00:00
Date Received: 06/21/23 15:47

Lab Sample ID: 880-29849-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	56049	06/22/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56047	06/23/23 00:53	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			56190	06/23/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56341	06/26/23 11:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56098	06/22/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56145	06/23/23 18:22	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	56030	06/21/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1			56105	06/23/23 02:40	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
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Method Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-29849-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29849-1	H-1 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-2	H-2 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-3	H-3 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-4	H-4 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-5	H-5 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-6	H-6 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-7	H-7 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-8	H-8 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47
880-29849-9	H-9 (0-0.5')	Solid	06/20/23 00:00	06/21/23 15:47



Work Order No: 21849

Page 1 of 1

Project Manager Conner Moehring		Bill to: (if different)		Carmona Resources	
Company Name Carmona Resources		Company Name:			
Address 310 W Wall St Ste 500		Address:			
City, State ZIP Midland, TX 79701		City, State ZIP			
Phone 432-813-6823		Email mcarmona@carmonaresources.com			

Project Name Asio Otis Fed #3 (6.2.23)		Turn Around		Pres. Code	
Project Number 2065		☐ Routine ☒ Rush Due Date 72 Hrs			
Project Location Eddy County, New Mexico					
Sampler's Name FV					
PO #					

Temp Blank		Yes No		Wet Ice	
Received Intact		Yes No		Thermometer ID	
Cooler Custody Seals		Yes No		Correction Factor	
Sample Custody Seals		Yes No		Temperature Reading	
Total Containers		Yes No		Corrected Temperature	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
H-1 (0-0.5')	6/20/2023		X		G	1				None NO	DI Water H ₂ O
H-2 (0-0.5')	6/20/2023		X		G	1				Cool Cool	MeOH Me
H-3 (0-0.5')	6/20/2023		X		G	1				HCL HC	HNO ₃ HN
H-4 (0-0.5')	6/20/2023		X		G	1				H ₂ SO ₄ H ₂	NaOH Na
H-5 (0-0.5')	6/20/2023		X		G	1				H ₃ PO ₄ HP	
H-6 (0-0.5')	6/20/2023		X		G	1				NaHSO ₄ NABIS	
H-7 (0-0.5')	6/20/2023		X		G	1				Na ₂ S ₂ O ₃ NaSO ₃	
H-8 (0-0.5')	6/20/2023		X		G	1				Zn Acetate+NaOH Zn	
H-9 (0-0.5')	6/20/2023		X		G	1				NaOH+Ascorbic Acid SAPC	

Chloride 300.0

TPH 8015M (GRO + DRO + MRO)

BTEX 8021B

Barcode: 880-29849 Chain of Custody

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

Relinquished by (Signature)		Date/Time	
<i>Carmona</i>		6-21-23	
Received by (Signature)		Date/Time	
<i>[Signature]</i>			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-29849-1

SDG Number: Eddy County, New Mexico

Login Number: 29849

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/27/2023 2:48:56 PM

JOB DESCRIPTION

Asio Otis Fed #3 (6.2.23)
Eddy County, New Mexico

JOB NUMBER

880-35980-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
11/27/2023 2:48:56 PM

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

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Laboratory Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Job ID: 880-35980-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-35980-1**

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 11/17/2023 4:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -8.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-35980-1), T-1 (1.5') (880-35980-2), T-1 (2') (880-35980-3), T-1 (3') (880-35980-4), T-1 (4') (880-35980-5), T-2 (0-1') (880-35980-6), T-2 (1.5') (880-35980-7), T-2 (2') (880-35980-8), T-2 (3') (880-35980-9), T-2 (4') (880-35980-10), T-3 (0-1') (880-35980-11), T-3 (1.5') (880-35980-12), T-3 (2') (880-35980-13), T-3 (3') (880-35980-14), T-3 (4') (880-35980-15), T-4 (0-1') (880-35980-16), T-4 (1.5') (880-35980-17), T-4 (2') (880-35980-18), T-4 (3') (880-35980-19), T-4 (4') (880-35980-20), T-5 (0-1') (880-35980-21), T-5 (1.5') (880-35980-22), T-5 (2') (880-35980-23), T-5 (3') (880-35980-24), T-5 (4') (880-35980-25), T-6 (0-1') (880-35980-26), T-6 (1.5') (880-35980-27), T-6 (2') (880-35980-28), T-6 (3') (880-35980-29), T-6 (4') (880-35980-30), T-7 (0-1') (880-35980-31), T-7 (1.5') (880-35980-32), T-7 (2') (880-35980-33), T-7 (3') (880-35980-34), T-7 (4') (880-35980-35), T-7 (5') (880-35980-36), T-7 (6') (880-35980-37), T-7 (7') (880-35980-38), T-8 (8') (880-35980-39), T-8 (0-1') (880-35980-40), T-8 (1.5') (880-35980-41), T-8 (2') (880-35980-42), T-8 (3') (880-35980-43), T-8 (4') (880-35980-44), T-9 (0-1') (880-35980-45), T-9 (1.5') (880-35980-46), T-9 (2') (880-35980-47), T-9 (3') (880-35980-48), T-9 (4') (880-35980-49), T-10 (0-1') (880-35980-50), T-10 (1.5') (880-35980-51), T-10 (2') (880-35980-52), T-10 (3') (880-35980-53) and T-10 (4') (880-35980-54).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-67387 and analytical batch 880-67369 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (2') (880-35980-3), T-1 (3') (880-35980-4), T-2 (2') (880-35980-8), T-4 (1.5') (880-35980-17) and T-4 (3') (880-35980-19). 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 880-67371 and analytical batch 880-67369 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-67369 recovered above the upper control limit for m-Xylene & p-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-67369/20).

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-5 (0-1') (880-35980-21), T-5 (1.5') (880-35980-22), T-5 (2') (880-35980-23), T-5 (3') (880-35980-24), T-5 (4') (880-35980-25), T-6 (0-1') (880-35980-26), T-6 (1.5') (880-35980-27), T-6 (2') (880-35980-28), T-6 (3') (880-35980-29), T-6 (4') (880-35980-30), T-7 (0-1') (880-35980-31), T-7 (1.5') (880-35980-32), T-7 (2') (880-35980-33), T-7 (3') (880-35980-34), T-7 (4') (880-35980-35), T-7 (5') (880-35980-36), T-7 (6') (880-35980-37), T-7 (7') (880-35980-38), T-8 (8') (880-35980-39), T-8 (0-1') (880-35980-40), (CCV 880-67530/2), (CCV 880-67530/20), (CCV 880-67530/33), (LCS 880-67386/1-A), (LCSD 880-67386/2-A), (MB 880-67386/5-A), (880-35980-A-21-A MS) and (880-35980-A-21-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Job ID: 880-35980-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-67386 and analytical batch 880-67530 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-67473 and analytical batch 880-67601 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-7 (7') (880-35980-38), T-8 (1.5') (880-35980-41), T-9 (0-1') (880-35980-45), T-9 (1.5') (880-35980-46), T-9 (2') (880-35980-47), (880-35980-A-38-D MS) and (880-35980-A-38-E 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 samples were outside control limits: T-9 (3') (880-35980-48), T-10 (1.5') (880-35980-51), T-10 (2') (880-35980-52) and T-10 (3') (880-35980-53). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67473 and analytical batch 880-67601 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 duplicate (MSD) recoveries for preparation batch 880-67472 and analytical batch 880-67603 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67433 and 880-67433 and analytical batch 880-67593 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: T-5 (0-1') (880-35980-21), T-5 (1.5') (880-35980-22), T-5 (2') (880-35980-23), T-5 (3') (880-35980-24), T-5 (4') (880-35980-25), T-6 (0-1') (880-35980-26), T-6 (1.5') (880-35980-27), T-6 (2') (880-35980-28), T-6 (3') (880-35980-29), T-6 (4') (880-35980-30), (880-35980-A-21-E MS) and (880-35980-A-21-F 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: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-1

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 23:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 23:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 23:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 10:58	11/20/23 23:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 23:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 10:58	11/20/23 23:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	11/20/23 10:58	11/20/23 23:08	1
1,4-Difluorobenzene (Surr)	89		70 - 130	11/20/23 10:58	11/20/23 23:08	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			11/20/23 23:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/22/23 12:47	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		11/20/23 15:44	11/22/23 12:47	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 15:44	11/22/23 12:47	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 15:44	11/22/23 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	11/20/23 15:44	11/22/23 12:47	1
o-Terphenyl	109		70 - 130	11/20/23 15:44	11/22/23 12:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		50.2		mg/Kg			11/20/23 21:59	10

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-35980-2

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/20/23 23:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/20/23 23:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/20/23 23:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/20/23 23:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/20/23 23:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/20/23 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	11/20/23 10:58	11/20/23 23:29	1
1,4-Difluorobenzene (Surr)	71		70 - 130	11/20/23 10:58	11/20/23 23:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-35980-2

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/20/23 23:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/22/23 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 13:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 13:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/20/23 15:44	11/22/23 13:09	1
o-Terphenyl	113		70 - 130				11/20/23 15:44	11/22/23 13:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		50.5		mg/Kg			11/20/23 22:18	10

Client Sample ID: T-1 (2')

Lab Sample ID: 880-35980-3

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/20/23 23:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/20/23 23:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/20/23 23:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 10:58	11/20/23 23:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/20/23 23:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 10:58	11/20/23 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				11/20/23 10:58	11/20/23 23:49	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130				11/20/23 10:58	11/20/23 23:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/20/23 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			11/22/23 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/20/23 15:44	11/22/23 13:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:44	11/22/23 13:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-35980-3

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:44	11/22/23 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				11/20/23 15:44	11/22/23 13:32	1
o-Terphenyl	106		70 - 130				11/20/23 15:44	11/22/23 13:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	790		4.97		mg/Kg			11/20/23 22:25	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-35980-4

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 00:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 00:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 00:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 10:58	11/21/23 00:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 00:09	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 10:58	11/21/23 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				11/20/23 10:58	11/21/23 00:09	1
1,4-Difluorobenzene (Surr)	58	S1-	70 - 130				11/20/23 10:58	11/21/23 00:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/21/23 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	<49.6	U	49.6		mg/Kg			11/22/23 13:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 13:54	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 13:54	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				11/20/23 15:44	11/22/23 13:54	1
o-Terphenyl	100		70 - 130				11/20/23 15:44	11/22/23 13:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	685		4.95		mg/Kg			11/20/23 22:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (4')

Lab Sample ID: 880-35980-5

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 00:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 00:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 00:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 00:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 00:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	11/20/23 10:58	11/21/23 00:30	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/20/23 10:58	11/21/23 00:30	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			11/21/23 00:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			11/22/23 14:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		11/20/23 15:44	11/22/23 14:16	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/20/23 15:44	11/22/23 14:16	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/20/23 15:44	11/22/23 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	11/20/23 15:44	11/22/23 14:16	1
o-Terphenyl	89		70 - 130	11/20/23 15:44	11/22/23 14:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		5.04		mg/Kg			11/20/23 22:38	1

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

Lab Sample ID: 880-35980-6

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 00:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 00:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 00:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 10:58	11/21/23 00:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 00:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 10:58	11/21/23 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	11/20/23 10:58	11/21/23 00:50	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/20/23 10:58	11/21/23 00:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-6

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/21/23 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	<50.4	U	50.4		mg/Kg			11/22/23 14:38	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	<50.4	U	50.4		mg/Kg		11/20/23 15:44	11/22/23 14:38	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/20/23 15:44	11/22/23 14:38	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/20/23 15:44	11/22/23 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				11/20/23 15:44	11/22/23 14:38	1
o-Terphenyl	104		70 - 130				11/20/23 15:44	11/22/23 14:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4010		101		mg/Kg			11/20/23 22:58	20

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-35980-7

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 01:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 01:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 01:11	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 10:58	11/21/23 01:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 01:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 10:58	11/21/23 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				11/20/23 10:58	11/21/23 01:11	1
1,4-Difluorobenzene (Surr)	84		70 - 130				11/20/23 10:58	11/21/23 01:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/21/23 01:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/22/23 15:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/20/23 15:44	11/22/23 15:01	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 15:44	11/22/23 15:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-35980-7

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/20/23 15:44	11/22/23 15:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				11/20/23 15:44	11/22/23 15:01	1
o-Terphenyl	113		70 - 130				11/20/23 15:44	11/22/23 15:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	687		50.3		mg/Kg			11/20/23 23:04	10

Client Sample ID: T-2 (2')

Lab Sample ID: 880-35980-8

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 10:58	11/21/23 01:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 10:58	11/21/23 01:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				11/20/23 10:58	11/21/23 01:31	1
1,4-Difluorobenzene (Surr)	70		70 - 130				11/20/23 10:58	11/21/23 01:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/21/23 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	<50.5	U	50.5		mg/Kg			11/22/23 15:45	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	<50.5	U	50.5		mg/Kg		11/20/23 15:44	11/22/23 15:45	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 15:44	11/22/23 15:45	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/20/23 15:44	11/22/23 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				11/20/23 15:44	11/22/23 15:45	1
o-Terphenyl	108		70 - 130				11/20/23 15:44	11/22/23 15:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	467		4.99		mg/Kg			11/20/23 23:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (3')

Lab Sample ID: 880-35980-9

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 10:58	11/21/23 01:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 10:58	11/21/23 01:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 10:58	11/21/23 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	11/20/23 10:58	11/21/23 01:52	1
1,4-Difluorobenzene (Surr)	76		70 - 130	11/20/23 10:58	11/21/23 01:52	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			11/21/23 01:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/22/23 16:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 16:07	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 16:07	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	11/20/23 15:44	11/22/23 16:07	1
o-Terphenyl	97		70 - 130	11/20/23 15:44	11/22/23 16:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	247		4.99		mg/Kg			11/20/23 23:17	1

Client Sample ID: T-2 (4')

Lab Sample ID: 880-35980-10

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 02:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 02:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 02:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/23 10:58	11/21/23 02:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 02:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 10:58	11/21/23 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	11/20/23 10:58	11/21/23 02:12	1
1,4-Difluorobenzene (Surr)	84		70 - 130	11/20/23 10:58	11/21/23 02:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (4')

Lab Sample ID: 880-35980-10

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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			11/21/23 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	54.0		49.7		mg/Kg			11/22/23 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/20/23 15:44	11/22/23 16:30	1
Diesel Range Organics (Over C10-C28)	54.0		49.7		mg/Kg		11/20/23 15:44	11/22/23 16:30	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 15:44	11/22/23 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				11/20/23 15:44	11/22/23 16:30	1
o-Terphenyl	112		70 - 130				11/20/23 15:44	11/22/23 16:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		5.01		mg/Kg			11/20/23 23:24	1

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

Lab Sample ID: 880-35980-11

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/23 10:58	11/21/23 03:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 10:58	11/21/23 03:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				11/20/23 10:58	11/21/23 03:34	1
1,4-Difluorobenzene (Surr)	74		70 - 130				11/20/23 10:58	11/21/23 03:34	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			11/21/23 03:34	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			11/22/23 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	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 16:52	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 16:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-11

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				11/20/23 15:44	11/22/23 16:52	1
o-Terphenyl	102		70 - 130				11/20/23 15:44	11/22/23 16:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2900		101		mg/Kg			11/20/23 23:31	20

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-35980-12

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 10:58	11/21/23 03:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 03:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 10:58	11/21/23 03:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				11/20/23 10:58	11/21/23 03:55	1
1,4-Difluorobenzene (Surr)	95		70 - 130				11/20/23 10:58	11/21/23 03:55	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			11/21/23 03:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/22/23 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/20/23 15:44	11/22/23 17:15	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 15:44	11/22/23 17:15	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/20/23 15:44	11/22/23 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				11/20/23 15:44	11/22/23 17:15	1
o-Terphenyl	111		70 - 130				11/20/23 15:44	11/22/23 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	495		50.0		mg/Kg			11/20/23 23:50	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (2')

Lab Sample ID: 880-35980-13

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 04:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 04:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	11/20/23 10:58	11/21/23 04:15	1
1,4-Difluorobenzene (Surr)	71		70 - 130	11/20/23 10:58	11/21/23 04:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 04:15	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			11/22/23 17:36	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	<50.4	U	50.4		mg/Kg		11/20/23 15:44	11/22/23 17:36	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/20/23 15:44	11/22/23 17:36	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/20/23 15:44	11/22/23 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	11/20/23 15:44	11/22/23 17:36	1
o-Terphenyl	103		70 - 130	11/20/23 15:44	11/22/23 17:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	374		5.01		mg/Kg			11/20/23 23:57	1

Client Sample ID: T-3 (3')

Lab Sample ID: 880-35980-14

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 04:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 04:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 04:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 10:58	11/21/23 04:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 04:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 10:58	11/21/23 04:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	11/20/23 10:58	11/21/23 04:36	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/20/23 10:58	11/21/23 04:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (3')

Lab Sample ID: 880-35980-14

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/21/23 04:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			11/22/23 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		11/20/23 15:44	11/22/23 17:58	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/20/23 15:44	11/22/23 17:58	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/20/23 15:44	11/22/23 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/20/23 15:44	11/22/23 17:58	1
o-Terphenyl	112		70 - 130				11/20/23 15:44	11/22/23 17:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	295		5.04		mg/Kg			11/21/23 15:43	1

Client Sample ID: T-3 (4')

Lab Sample ID: 880-35980-15

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 04:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 04:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 04:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				11/20/23 10:58	11/21/23 04:56	1
1,4-Difluorobenzene (Surr)	90		70 - 130				11/20/23 10:58	11/21/23 04:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 04:56	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			11/22/23 18:21	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	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 18:21	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 18:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (4')

Lab Sample ID: 880-35980-15

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:44	11/22/23 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				11/20/23 15:44	11/22/23 18:21	1
o-Terphenyl	105		70 - 130				11/20/23 15:44	11/22/23 18:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.5		4.95		mg/Kg			11/21/23 15:49	1

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

Lab Sample ID: 880-35980-16

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 05:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 05:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 05:17	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 10:58	11/21/23 05:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 10:58	11/21/23 05:17	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 10:58	11/21/23 05:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				11/20/23 10:58	11/21/23 05:17	1
1,4-Difluorobenzene (Surr)	76		70 - 130				11/20/23 10:58	11/21/23 05:17	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			11/21/23 05:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/22/23 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 18:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 18:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				11/20/23 15:44	11/22/23 18:42	1
o-Terphenyl	102		70 - 130				11/20/23 15:44	11/22/23 18:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15000		248		mg/Kg			11/21/23 15:56	50

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-35980-17

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 05:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 05:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 05:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/23 10:58	11/21/23 05:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/21/23 05:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 10:58	11/21/23 05:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	11/20/23 10:58	11/21/23 05:37	1
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130	11/20/23 10:58	11/21/23 05:37	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			11/21/23 05:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/22/23 19:04	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	<50.3	U	50.3		mg/Kg		11/20/23 15:44	11/22/23 19:04	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 15:44	11/22/23 19:04	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/20/23 15:44	11/22/23 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	11/20/23 15:44	11/22/23 19:04	1
o-Terphenyl	100		70 - 130	11/20/23 15:44	11/22/23 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1260		50.3		mg/Kg			11/21/23 16:02	10

Client Sample ID: T-4 (2')

Lab Sample ID: 880-35980-18

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 05:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 05:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 05:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 05:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 05:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 05:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	11/20/23 10:58	11/21/23 05:57	1
1,4-Difluorobenzene (Surr)	90		70 - 130	11/20/23 10:58	11/21/23 05:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (2')

Lab Sample ID: 880-35980-18

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 05:57	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			11/22/23 20:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/20/23 15:48	11/22/23 20:55	1
Diesel Range Organics (Over C10-C28)	<49.6	U F1	49.6		mg/Kg		11/20/23 15:48	11/22/23 20:55	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:48	11/22/23 20:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				11/20/23 15:48	11/22/23 20:55	1
o-Terphenyl	95		70 - 130				11/20/23 15:48	11/22/23 20:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	324		4.95		mg/Kg			11/21/23 16:09	1

Client Sample ID: T-4 (3')

Lab Sample ID: 880-35980-19

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 06:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 06:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 06:18	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 10:58	11/21/23 06:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 10:58	11/21/23 06:18	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 10:58	11/21/23 06:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				11/20/23 10:58	11/21/23 06:18	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130				11/20/23 10:58	11/21/23 06:18	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			11/21/23 06:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/22/23 22:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/20/23 15:48	11/22/23 22:02	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 15:48	11/22/23 22:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (3')

Lab Sample ID: 880-35980-19

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/20/23 15:48	11/22/23 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				11/20/23 15:48	11/22/23 22:02	1
o-Terphenyl	97		70 - 130				11/20/23 15:48	11/22/23 22:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.5		4.99		mg/Kg			11/21/23 16:15	1

Client Sample ID: T-4 (4')

Lab Sample ID: 880-35980-20

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 06:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 06:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 06:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 06:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 10:58	11/21/23 06:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 10:58	11/21/23 06:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				11/20/23 10:58	11/21/23 06:38	1
1,4-Difluorobenzene (Surr)	93		70 - 130				11/20/23 10:58	11/21/23 06:38	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			11/21/23 06:38	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			11/22/23 22:25	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		11/20/23 15:48	11/22/23 22:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 15:48	11/22/23 22:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 15:48	11/22/23 22:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				11/20/23 15:48	11/22/23 22:25	1
o-Terphenyl	92		70 - 130				11/20/23 15:48	11/22/23 22:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.4		4.95		mg/Kg			11/21/23 16:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-21

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1 F2	0.00198		mg/Kg		11/20/23 11:03	11/21/23 12:49	1
Toluene	<0.00198	U F1 F2	0.00198		mg/Kg		11/20/23 11:03	11/21/23 12:49	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		11/20/23 11:03	11/21/23 12:49	1
m-Xylene & p-Xylene	<0.00396	U F1	0.00396		mg/Kg		11/20/23 11:03	11/21/23 12:49	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		11/20/23 11:03	11/21/23 12:49	1
Xylenes, Total	<0.00396	U F1	0.00396		mg/Kg		11/20/23 11:03	11/21/23 12:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	333	S1+	70 - 130	11/20/23 11:03	11/21/23 12:49	1
1,4-Difluorobenzene (Surr)	74		70 - 130	11/20/23 11:03	11/21/23 12:49	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			11/21/23 12:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/22/23 22:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/22/23 22:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/22/23 22:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/22/23 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	11/20/23 15:48	11/22/23 22:46	1
o-Terphenyl	111		70 - 130	11/20/23 15:48	11/22/23 22:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12700	F1	252		mg/Kg			11/21/23 23:58	50

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-35980-22

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 13:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	309	S1+	70 - 130	11/20/23 11:03	11/21/23 13:16	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/20/23 11:03	11/21/23 13:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-35980-22

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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			11/21/23 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/22/23 23:07	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	<49.6	U	49.6		mg/Kg		11/20/23 15:48	11/22/23 23:07	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:48	11/22/23 23:07	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:48	11/22/23 23:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				11/20/23 15:48	11/22/23 23:07	1
o-Terphenyl	113		70 - 130				11/20/23 15:48	11/22/23 23:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4530		101		mg/Kg			11/22/23 00:18	20

Client Sample ID: T-5 (2')

Lab Sample ID: 880-35980-23

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 13:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 13:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	308	S1+	70 - 130				11/20/23 11:03	11/21/23 13:42	1
1,4-Difluorobenzene (Surr)	71		70 - 130				11/20/23 11:03	11/21/23 13:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/21/23 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/22/23 23:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/22/23 23:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/22/23 23:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (2')

Lab Sample ID: 880-35980-23

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/22/23 23:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/20/23 15:48	11/22/23 23:28	1
o-Terphenyl	108		70 - 130				11/20/23 15:48	11/22/23 23:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4000		99.0		mg/Kg			11/22/23 00:24	20

Client Sample ID: T-5 (3')

Lab Sample ID: 880-35980-24

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 14:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 14:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 14:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/23 11:03	11/21/23 14:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 14:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 11:03	11/21/23 14:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	352	S1+	70 - 130				11/20/23 11:03	11/21/23 14:09	1
1,4-Difluorobenzene (Surr)	83		70 - 130				11/20/23 11:03	11/21/23 14:09	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			11/21/23 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/22/23 23:49	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		11/20/23 15:48	11/22/23 23:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/20/23 15:48	11/22/23 23:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/20/23 15:48	11/22/23 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				11/20/23 15:48	11/22/23 23:49	1
o-Terphenyl	107		70 - 130				11/20/23 15:48	11/22/23 23:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	591		25.0		mg/Kg			11/22/23 00:31	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (4')

Lab Sample ID: 880-35980-25

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 14:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 14:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 14:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 11:03	11/21/23 14:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 14:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 11:03	11/21/23 14:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	305	S1+	70 - 130	11/20/23 11:03	11/21/23 14:35	1
1,4-Difluorobenzene (Surr)	72		70 - 130	11/20/23 11:03	11/21/23 14:35	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			11/21/23 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.6		49.9		mg/Kg			11/23/23 00:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 00:10	1
Diesel Range Organics (Over C10-C28)	64.6		49.9		mg/Kg		11/20/23 15:48	11/23/23 00:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				11/20/23 15:48	11/23/23 00:10	1
o-Terphenyl	127		70 - 130				11/20/23 15:48	11/23/23 00:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.9		5.02		mg/Kg			11/22/23 00:37	1

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

Lab Sample ID: 880-35980-26

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 15:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 15:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 15:01	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 11:03	11/21/23 15:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 15:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 11:03	11/21/23 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	334	S1+	70 - 130	11/20/23 11:03	11/21/23 15:01	1
1,4-Difluorobenzene (Surr)	88		70 - 130	11/20/23 11:03	11/21/23 15:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-26

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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			11/21/23 15:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			11/23/23 00:32	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	<49.5	U	49.5		mg/Kg		11/20/23 15:48	11/23/23 00:32	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		11/20/23 15:48	11/23/23 00:32	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		11/20/23 15:48	11/23/23 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				11/20/23 15:48	11/23/23 00:32	1
o-Terphenyl	108		70 - 130				11/20/23 15:48	11/23/23 00:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18000		252		mg/Kg			11/22/23 00:57	50

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-35980-27

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 15:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 15:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 15:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 11:03	11/21/23 15:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 15:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 11:03	11/21/23 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	350	S1+	70 - 130				11/20/23 11:03	11/21/23 15:28	1
1,4-Difluorobenzene (Surr)	83		70 - 130				11/20/23 11:03	11/21/23 15:28	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			11/21/23 15:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/23/23 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 00:53	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 00:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-35980-27

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/20/23 15:48	11/23/23 00:53	1
o-Terphenyl	104		70 - 130				11/20/23 15:48	11/23/23 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8040		100		mg/Kg			11/22/23 01:04	20

Client Sample ID: T-6 (2')

Lab Sample ID: 880-35980-28

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 15:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 15:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 15:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 11:03	11/21/23 15:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 15:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 11:03	11/21/23 15:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	370	S1+	70 - 130				11/20/23 11:03	11/21/23 15:54	1
1,4-Difluorobenzene (Surr)	91		70 - 130				11/20/23 11:03	11/21/23 15:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 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	<50.1	U	50.1		mg/Kg			11/23/23 01:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		11/20/23 15:48	11/23/23 01:36	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/20/23 15:48	11/23/23 01:36	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/20/23 15:48	11/23/23 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				11/20/23 15:48	11/23/23 01:36	1
o-Terphenyl	109		70 - 130				11/20/23 15:48	11/23/23 01:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3720		99.0		mg/Kg			11/22/23 01:10	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (3')

Lab Sample ID: 880-35980-29

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 16:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 16:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 16:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 16:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 16:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	318	S1+	70 - 130	11/20/23 11:03	11/21/23 16:21	1
1,4-Difluorobenzene (Surr)	75		70 - 130	11/20/23 11:03	11/21/23 16:21	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			11/21/23 16:21	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			11/23/23 01:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		11/20/23 15:48	11/23/23 01:57	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/20/23 15:48	11/23/23 01:57	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/20/23 15:48	11/23/23 01:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	11/20/23 15:48	11/23/23 01:57	1
o-Terphenyl	105		70 - 130	11/20/23 15:48	11/23/23 01:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	466		24.8		mg/Kg			11/22/23 01:17	5

Client Sample ID: T-6 (4')

Lab Sample ID: 880-35980-30

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 16:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 16:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 16:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 11:03	11/21/23 16:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 16:47	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 11:03	11/21/23 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	293	S1+	70 - 130	11/20/23 11:03	11/21/23 16:47	1
1,4-Difluorobenzene (Surr)	76		70 - 130	11/20/23 11:03	11/21/23 16:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (4')

Lab Sample ID: 880-35980-30

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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			11/21/23 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/23/23 02:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/20/23 15:48	11/23/23 02:19	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 15:48	11/23/23 02:19	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/20/23 15:48	11/23/23 02:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				11/20/23 15:48	11/23/23 02:19	1
o-Terphenyl	106		70 - 130				11/20/23 15:48	11/23/23 02:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.9		5.03		mg/Kg			11/22/23 01:23	1

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

Lab Sample ID: 880-35980-31

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 18:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 18:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 18:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 18:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 18:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	370	S1+	70 - 130				11/20/23 11:03	11/21/23 18:33	1
1,4-Difluorobenzene (Surr)	74		70 - 130				11/20/23 11:03	11/21/23 18:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/21/23 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/23/23 02:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/20/23 15:48	11/23/23 02:41	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 15:48	11/23/23 02:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-31

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 15:48	11/23/23 02:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/20/23 15:48	11/23/23 02:41	1
o-Terphenyl	105		70 - 130				11/20/23 15:48	11/23/23 02:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6240		101		mg/Kg			11/22/23 01:30	20

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-35980-32

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 18:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 18:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 18:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/23 11:03	11/21/23 18:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 18:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 11:03	11/21/23 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	367	S1+	70 - 130				11/20/23 11:03	11/21/23 18:59	1
1,4-Difluorobenzene (Surr)	74		70 - 130				11/20/23 11:03	11/21/23 18:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/21/23 18:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/23/23 03:02	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		11/20/23 15:48	11/23/23 03:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 03:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				11/20/23 15:48	11/23/23 03:02	1
o-Terphenyl	107		70 - 130				11/20/23 15:48	11/23/23 03:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5890		100		mg/Kg			11/22/23 01:50	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (2')

Lab Sample ID: 880-35980-33

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 19:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 19:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 19:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 11:03	11/21/23 19:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 19:25	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 11:03	11/21/23 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	331	S1+	70 - 130	11/20/23 11:03	11/21/23 19:25	1
1,4-Difluorobenzene (Surr)	85		70 - 130	11/20/23 11:03	11/21/23 19:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/21/23 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	<49.6	U	49.6		mg/Kg			11/23/23 03:24	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		11/20/23 15:48	11/23/23 03:24	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:48	11/23/23 03:24	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:48	11/23/23 03:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	11/20/23 15:48	11/23/23 03:24	1
o-Terphenyl	108		70 - 130	11/20/23 15:48	11/23/23 03:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7640		99.0		mg/Kg			11/22/23 01:56	20

Client Sample ID: T-7 (3')

Lab Sample ID: 880-35980-34

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 19:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 19:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 19:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 11:03	11/21/23 19:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:03	11/21/23 19:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 11:03	11/21/23 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	360	S1+	70 - 130	11/20/23 11:03	11/21/23 19:52	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/20/23 11:03	11/21/23 19:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (3')

Lab Sample ID: 880-35980-34

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 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	<50.3	U	50.3		mg/Kg			11/23/23 03:46	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	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 03:46	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 03:46	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 03:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				11/20/23 15:48	11/23/23 03:46	1
o-Terphenyl	100		70 - 130				11/20/23 15:48	11/23/23 03:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1320		50.2		mg/Kg			11/22/23 02:16	10

Client Sample ID: T-7 (4')

Lab Sample ID: 880-35980-35

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 20:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 20:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 20:18	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/20/23 11:03	11/21/23 20:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:03	11/21/23 20:18	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/20/23 11:03	11/21/23 20:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	367	S1+	70 - 130				11/20/23 11:03	11/21/23 20:18	1
1,4-Difluorobenzene (Surr)	93		70 - 130				11/20/23 11:03	11/21/23 20:18	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			11/21/23 20:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/23/23 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	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 04:08	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 04:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (4')

Lab Sample ID: 880-35980-35

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/20/23 15:48	11/23/23 04:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				11/20/23 15:48	11/23/23 04:08	1
o-Terphenyl	100		70 - 130				11/20/23 15:48	11/23/23 04:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		50.5		mg/Kg			11/22/23 02:22	10

Client Sample ID: T-7 (5')

Lab Sample ID: 880-35980-36

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 20:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 20:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 20:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 11:03	11/21/23 20:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 20:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 11:03	11/21/23 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	313	S1+	70 - 130				11/20/23 11:03	11/21/23 20:45	1
1,4-Difluorobenzene (Surr)	74		70 - 130				11/20/23 11:03	11/21/23 20:45	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			11/21/23 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	<49.9	U	49.9		mg/Kg			11/23/23 04:29	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	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 04:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 04:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:48	11/23/23 04:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				11/20/23 15:48	11/23/23 04:29	1
o-Terphenyl	99		70 - 130				11/20/23 15:48	11/23/23 04:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3570		49.7		mg/Kg			11/22/23 02:29	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (6')

Lab Sample ID: 880-35980-37

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 21:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 21:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 21:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 21:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 21:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	300	S1+	70 - 130	11/20/23 11:03	11/21/23 21:12	1
1,4-Difluorobenzene (Surr)	80		70 - 130	11/20/23 11:03	11/21/23 21:12	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			11/21/23 21:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/23/23 04:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/23/23 04:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/23/23 04:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/23/23 04:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	11/20/23 15:48	11/23/23 04:51	1
o-Terphenyl	93		70 - 130	11/20/23 15:48	11/23/23 04:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	843		25.1		mg/Kg			11/22/23 02:35	5

Client Sample ID: T-7 (7')

Lab Sample ID: 880-35980-38

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 21:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 21:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 21:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/23 11:03	11/21/23 21:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 21:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 11:03	11/21/23 21:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	302	S1+	70 - 130	11/20/23 11:03	11/21/23 21:39	1
1,4-Difluorobenzene (Surr)	73		70 - 130	11/20/23 11:03	11/21/23 21:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (7')

Lab Sample ID: 880-35980-38

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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			11/21/23 21:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/22/23 20:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		11/20/23 15:52	11/22/23 20:55	1
Diesel Range Organics (Over C10-C28)	<50.4	U F1	50.4		mg/Kg		11/20/23 15:52	11/22/23 20:55	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/20/23 15:52	11/22/23 20:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				11/20/23 15:52	11/22/23 20:55	1
o-Terphenyl	120		70 - 130				11/20/23 15:52	11/22/23 20:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3620		99.6		mg/Kg			11/22/23 02:42	20

Client Sample ID: T-8 (8')

Lab Sample ID: 880-35980-39

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 22:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 22:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 22:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 22:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:03	11/21/23 22:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 11:03	11/21/23 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	477	S1+	70 - 130				11/20/23 11:03	11/21/23 22:06	1
1,4-Difluorobenzene (Surr)	128		70 - 130				11/20/23 11:03	11/21/23 22:06	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			11/21/23 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/22/23 22:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/22/23 22:02	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/22/23 22:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-8 (8')

Lab Sample ID: 880-35980-39

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/22/23 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				11/20/23 15:52	11/22/23 22:02	1
o-Terphenyl	117		70 - 130				11/20/23 15:52	11/22/23 22:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.1		4.95		mg/Kg			11/22/23 02:49	1

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

Lab Sample ID: 880-35980-40

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 22:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 22:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 22:33	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 11:03	11/21/23 22:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:03	11/21/23 22:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 11:03	11/21/23 22:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	338	S1+	70 - 130				11/20/23 11:03	11/21/23 22:33	1
1,4-Difluorobenzene (Surr)	82		70 - 130				11/20/23 11:03	11/21/23 22:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/21/23 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	<50.0	U	50.0		mg/Kg			11/22/23 22:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/22/23 22:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/22/23 22:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/22/23 22:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				11/20/23 15:52	11/22/23 22:25	1
o-Terphenyl	105		70 - 130				11/20/23 15:52	11/22/23 22:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7690		99.8		mg/Kg			11/22/23 02:55	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-8 (1.5')

Lab Sample ID: 880-35980-41

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 01:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 01:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 01:02	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 11:06	11/21/23 01:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 01:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 11:06	11/21/23 01:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/20/23 11:06	11/21/23 01:02	1
1,4-Difluorobenzene (Surr)	112		70 - 130	11/20/23 11:06	11/21/23 01:02	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			11/21/23 01:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/22/23 22:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/22/23 22:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/22/23 22:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/22/23 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	11/20/23 15:52	11/22/23 22:46	1
o-Terphenyl	115		70 - 130	11/20/23 15:52	11/22/23 22:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2230		50.5		mg/Kg			11/21/23 05:38	10

Client Sample ID: T-8 (2')

Lab Sample ID: 880-35980-42

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 01:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 01:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 01:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 11:06	11/21/23 01:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 01:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 11:06	11/21/23 01:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	11/20/23 11:06	11/21/23 01:22	1
1,4-Difluorobenzene (Surr)	117		70 - 130	11/20/23 11:06	11/21/23 01:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-8 (2')

Lab Sample ID: 880-35980-42

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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			11/21/23 01:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/22/23 23:07	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	<49.6	U	49.6		mg/Kg		11/20/23 15:52	11/22/23 23:07	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:52	11/22/23 23:07	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:52	11/22/23 23:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				11/20/23 15:52	11/22/23 23:07	1
o-Terphenyl	112		70 - 130				11/20/23 15:52	11/22/23 23:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	352		5.00		mg/Kg			11/21/23 05:58	1

Client Sample ID: T-8 (3')

Lab Sample ID: 880-35980-43

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 01:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 01:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 01:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/23 11:06	11/21/23 01:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 01:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 11:06	11/21/23 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/20/23 11:06	11/21/23 01:43	1
1,4-Difluorobenzene (Surr)	112		70 - 130				11/20/23 11:06	11/21/23 01:43	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			11/21/23 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/22/23 23:28	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	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/22/23 23:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/22/23 23:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-8 (3')

Lab Sample ID: 880-35980-43

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/22/23 23:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				11/20/23 15:52	11/22/23 23:28	1
o-Terphenyl	111		70 - 130				11/20/23 15:52	11/22/23 23:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		4.97		mg/Kg			11/21/23 06:04	1

Client Sample ID: T-8 (4')

Lab Sample ID: 880-35980-44

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 02:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 02:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 02:03	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 11:06	11/21/23 02:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 02:03	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 11:06	11/21/23 02:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				11/20/23 11:06	11/21/23 02:03	1
1,4-Difluorobenzene (Surr)	111		70 - 130				11/20/23 11:06	11/21/23 02:03	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			11/21/23 02:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/22/23 23:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/20/23 15:52	11/22/23 23:49	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 15:52	11/22/23 23:49	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/20/23 15:52	11/22/23 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				11/20/23 15:52	11/22/23 23:49	1
o-Terphenyl	107		70 - 130				11/20/23 15:52	11/22/23 23:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.9		5.04		mg/Kg			11/21/23 06:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-45

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 02:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 02:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 02:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 11:06	11/21/23 02:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 02:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 11:06	11/21/23 02:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	11/20/23 11:06	11/21/23 02:23	1
1,4-Difluorobenzene (Surr)	115		70 - 130	11/20/23 11:06	11/21/23 02:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 02:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/23/23 00:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/23/23 00:10	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/23/23 00:10	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/23/23 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	11/20/23 15:52	11/23/23 00:10	1
o-Terphenyl	118		70 - 130	11/20/23 15:52	11/23/23 00:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5110		99.0		mg/Kg			11/21/23 06:18	20

Client Sample ID: T-9 (1.5')

Lab Sample ID: 880-35980-46

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 02:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 02:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 02:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 11:06	11/21/23 02:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 02:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 11:06	11/21/23 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	11/20/23 11:06	11/21/23 02:44	1
1,4-Difluorobenzene (Surr)	117		70 - 130	11/20/23 11:06	11/21/23 02:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-9 (1.5')

Lab Sample ID: 880-35980-46

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/21/23 02:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/23/23 00:32	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		11/20/23 15:52	11/23/23 00:32	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 15:52	11/23/23 00:32	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 15:52	11/23/23 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				11/20/23 15:52	11/23/23 00:32	1
o-Terphenyl	116		70 - 130				11/20/23 15:52	11/23/23 00:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4240		50.4		mg/Kg			11/21/23 06:37	10

Client Sample ID: T-9 (2')

Lab Sample ID: 880-35980-47

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 03:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 03:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 03:04	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 11:06	11/21/23 03:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 11:06	11/21/23 03:04	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 11:06	11/21/23 03:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				11/20/23 11:06	11/21/23 03:04	1
1,4-Difluorobenzene (Surr)	117		70 - 130				11/20/23 11:06	11/21/23 03:04	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			11/21/23 03:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/23/23 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/23/23 00:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/23/23 00:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-9 (2')

Lab Sample ID: 880-35980-47

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/23/23 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				11/20/23 15:52	11/23/23 00:53	1
o-Terphenyl	122		70 - 130				11/20/23 15:52	11/23/23 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241		5.03		mg/Kg			11/21/23 06:44	1

Client Sample ID: T-9 (3')

Lab Sample ID: 880-35980-48

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 03:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 03:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 03:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 11:06	11/21/23 03:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 03:25	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 11:06	11/21/23 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				11/20/23 11:06	11/21/23 03:25	1
1,4-Difluorobenzene (Surr)	119		70 - 130				11/20/23 11:06	11/21/23 03:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/21/23 03:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/23/23 01:36	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		11/20/23 15:52	11/23/23 01:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/23/23 01:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/23/23 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130				11/20/23 15:52	11/23/23 01:36	1
o-Terphenyl	130		70 - 130				11/20/23 15:52	11/23/23 01:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.5		4.97		mg/Kg			11/21/23 06:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-9 (4')

Lab Sample ID: 880-35980-49

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 03:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 03:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 03:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 11:06	11/21/23 03:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 03:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 11:06	11/21/23 03:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	11/20/23 11:06	11/21/23 03:45	1
1,4-Difluorobenzene (Surr)	118		70 - 130	11/20/23 11:06	11/21/23 03:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/23/23 01:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		11/20/23 15:52	11/23/23 01:57	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/20/23 15:52	11/23/23 01:57	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/20/23 15:52	11/23/23 01:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	11/20/23 15:52	11/23/23 01:57	1
o-Terphenyl	110		70 - 130	11/20/23 15:52	11/23/23 01:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.8		4.96		mg/Kg			11/21/23 06:57	1

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

Lab Sample ID: 880-35980-50

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 11:06	11/21/23 05:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 11:06	11/21/23 05:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	11/20/23 11:06	11/21/23 05:35	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/20/23 11:06	11/21/23 05:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-50

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/21/23 05:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			11/23/23 02:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		11/20/23 15:52	11/23/23 02:19	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/20/23 15:52	11/23/23 02:19	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/20/23 15:52	11/23/23 02:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				11/20/23 15:52	11/23/23 02:19	1
o-Terphenyl	105		70 - 130				11/20/23 15:52	11/23/23 02:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8330		101		mg/Kg			11/21/23 07:04	20

Client Sample ID: T-10 (1.5')

Lab Sample ID: 880-35980-51

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/23 11:06	11/21/23 05:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 05:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 11:06	11/21/23 05:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				11/20/23 11:06	11/21/23 05:55	1
1,4-Difluorobenzene (Surr)	121		70 - 130				11/20/23 11:06	11/21/23 05:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/21/23 05:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/23/23 02:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/23/23 02:41	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/23/23 02:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-10 (1.5')

Lab Sample ID: 880-35980-51

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/20/23 15:52	11/23/23 02:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				11/20/23 15:52	11/23/23 02:41	1
o-Terphenyl	119		70 - 130				11/20/23 15:52	11/23/23 02:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	413		25.3		mg/Kg			11/21/23 07:10	5

Client Sample ID: T-10 (2')

Lab Sample ID: 880-35980-52

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 06:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 06:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 06:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 11:06	11/21/23 06:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 11:06	11/21/23 06:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 11:06	11/21/23 06:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				11/20/23 11:06	11/21/23 06:16	1
1,4-Difluorobenzene (Surr)	112		70 - 130				11/20/23 11:06	11/21/23 06:16	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			11/21/23 06:16	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			11/23/23 03:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/23/23 03:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/23/23 03:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/23/23 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				11/20/23 15:52	11/23/23 03:02	1
o-Terphenyl	117		70 - 130				11/20/23 15:52	11/23/23 03:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		5.03		mg/Kg			11/21/23 07:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-10 (3')

Lab Sample ID: 880-35980-53

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 10:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 10:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 10:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 11:06	11/21/23 10:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 11:06	11/21/23 10:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 11:06	11/21/23 10:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/20/23 11:06	11/21/23 10:21	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/20/23 11:06	11/21/23 10:21	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			11/21/23 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/23/23 03:24	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	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/23/23 03:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/23/23 03:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 15:52	11/23/23 03:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130	11/20/23 15:52	11/23/23 03:24	1
o-Terphenyl	126		70 - 130	11/20/23 15:52	11/23/23 03:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.3		4.99		mg/Kg			11/21/23 07:36	1

Client Sample ID: T-10 (4')

Lab Sample ID: 880-35980-54

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 10:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 10:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 10:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 11:06	11/21/23 10:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 11:06	11/21/23 10:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 11:06	11/21/23 10:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	11/20/23 11:06	11/21/23 10:42	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/20/23 11:06	11/21/23 10:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-10 (4')

Lab Sample ID: 880-35980-54

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/21/23 10:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/23/23 03:46	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		11/20/23 15:52	11/23/23 03:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 15:52	11/23/23 03:46	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 15:52	11/23/23 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	11/20/23 15:52	11/23/23 03:46	1
o-Terphenyl	101		70 - 130	11/20/23 15:52	11/23/23 03:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7		5.00		mg/Kg			11/21/23 07:56	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy 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)
880-35979-A-41-E MS	Matrix Spike	97	112
880-35979-A-41-F MSD	Matrix Spike Duplicate	94	114
880-35980-1	T-1 (0-1')	87	89
880-35980-1 MS	T-1 (0-1')	109	118
880-35980-1 MSD	T-1 (0-1')	127	120
880-35980-2	T-1 (1.5')	91	71
880-35980-3	T-1 (2')	103	63 S1-
880-35980-4	T-1 (3')	102	58 S1-
880-35980-5	T-1 (4')	89	94
880-35980-6	T-2 (0-1')	92	77
880-35980-7	T-2 (1.5')	104	84
880-35980-8	T-2 (2')	95	70
880-35980-9	T-2 (3')	97	76
880-35980-10	T-2 (4')	88	84
880-35980-11	T-3 (0-1')	83	74
880-35980-12	T-3 (1.5')	88	95
880-35980-13	T-3 (2')	97	71
880-35980-14	T-3 (3')	83	77
880-35980-15	T-3 (4')	85	90
880-35980-16	T-4 (0-1')	87	76
880-35980-17	T-4 (1.5')	99	61 S1-
880-35980-18	T-4 (2')	87	90
880-35980-19	T-4 (3')	92	63 S1-
880-35980-20	T-4 (4')	83	93
880-35980-21	T-5 (0-1')	333 S1+	74
880-35980-21 MS	T-5 (0-1')	298 S1+	81
880-35980-21 MSD	T-5 (0-1')	326 S1+	98
880-35980-22	T-5 (1.5')	309 S1+	77
880-35980-23	T-5 (2')	308 S1+	71
880-35980-24	T-5 (3')	352 S1+	83
880-35980-25	T-5 (4')	305 S1+	72
880-35980-26	T-6 (0-1')	334 S1+	88
880-35980-27	T-6 (1.5')	350 S1+	83
880-35980-28	T-6 (2')	370 S1+	91
880-35980-29	T-6 (3')	318 S1+	75
880-35980-30	T-6 (4')	293 S1+	76
880-35980-31	T-7 (0-1')	370 S1+	74
880-35980-32	T-7 (1.5')	367 S1+	74
880-35980-33	T-7 (2')	331 S1+	85
880-35980-34	T-7 (3')	360 S1+	77
880-35980-35	T-7 (4')	367 S1+	93
880-35980-36	T-7 (5')	313 S1+	74
880-35980-37	T-7 (6')	300 S1+	80
880-35980-38	T-7 (7')	302 S1+	73
880-35980-39	T-8 (8')	477 S1+	128
880-35980-40	T-8 (0-1')	338 S1+	82
880-35980-41	T-8 (1.5')	96	112
880-35980-42	T-8 (2')	103	117
880-35980-43	T-8 (3')	97	112

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Surrogate Summary

Client: Carmona Resources

Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1

SDG: Eddy 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)
880-35980-44	T-8 (4')	100	111
880-35980-45	T-9 (0-1')	90	115
880-35980-46	T-9 (1.5')	99	117
880-35980-47	T-9 (2')	95	117
880-35980-48	T-9 (3')	96	119
880-35980-49	T-9 (4')	99	118
880-35980-50	T-10 (0-1')	90	108
880-35980-51	T-10 (1.5')	89	121
880-35980-52	T-10 (2')	103	112
880-35980-53	T-10 (3')	96	100
880-35980-54	T-10 (4')	93	108
LCS 880-67385/1-A	Lab Control Sample	109	114
LCS 880-67386/1-A	Lab Control Sample	328 S1+	73
LCS 880-67387/1-A	Lab Control Sample	98	104
LCSD 880-67385/2-A	Lab Control Sample Dup	104	119
LCSD 880-67386/2-A	Lab Control Sample Dup	326 S1+	77
LCSD 880-67387/2-A	Lab Control Sample Dup	92	96
MB 880-67371/5-A	Method Blank	114	144 S1+
MB 880-67375/5-A	Method Blank	75	84
MB 880-67385/5-A	Method Blank	78	73
MB 880-67386/5-A	Method Blank	238 S1+	72
MB 880-67387/5-A	Method Blank	127	166 S1+
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-35980-1	T-1 (0-1')	105	109
880-35980-2	T-1 (1.5')	110	113
880-35980-3	T-1 (2')	102	106
880-35980-4	T-1 (3')	96	100
880-35980-5	T-1 (4')	85	89
880-35980-6	T-2 (0-1')	100	104
880-35980-7	T-2 (1.5')	113	113
880-35980-8	T-2 (2')	107	108
880-35980-9	T-2 (3')	95	97
880-35980-10	T-2 (4')	109	112
880-35980-11	T-3 (0-1')	99	102
880-35980-12	T-3 (1.5')	108	111
880-35980-13	T-3 (2')	103	103
880-35980-14	T-3 (3')	110	112
880-35980-15	T-3 (4')	104	105
880-35980-16	T-4 (0-1')	95	102
880-35980-17	T-4 (1.5')	96	100
880-35980-18	T-4 (2')	95	95

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-35980-1

Project/Site: Asio Otis Fed #3 (6.2.23)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-35980-18 MS	T-4 (2')	93	89
880-35980-18 MSD	T-4 (2')	81	75
880-35980-19	T-4 (3')	95	97
880-35980-20	T-4 (4')	90	92
880-35980-21	T-5 (0-1')	101	111
880-35980-22	T-5 (1.5')	103	113
880-35980-23	T-5 (2')	98	108
880-35980-24	T-5 (3')	100	107
880-35980-25	T-5 (4')	126	127
880-35980-26	T-6 (0-1')	101	108
880-35980-27	T-6 (1.5')	98	104
880-35980-28	T-6 (2')	102	109
880-35980-29	T-6 (3')	96	105
880-35980-30	T-6 (4')	101	106
880-35980-31	T-7 (0-1')	98	105
880-35980-32	T-7 (1.5')	99	107
880-35980-33	T-7 (2')	100	108
880-35980-34	T-7 (3')	93	100
880-35980-35	T-7 (4')	92	100
880-35980-36	T-7 (5')	94	99
880-35980-37	T-7 (6')	86	93
880-35980-38	T-7 (7')	138 S1+	120
880-35980-38 MS	T-7 (7')	150 S1+	116
880-35980-38 MSD	T-7 (7')	147 S1+	116
880-35980-39	T-8 (8')	130	117
880-35980-40	T-8 (0-1')	126	105
880-35980-41	T-8 (1.5')	133 S1+	115
880-35980-42	T-8 (2')	128	112
880-35980-43	T-8 (3')	127	111
880-35980-44	T-8 (4')	126	107
880-35980-45	T-9 (0-1')	135 S1+	118
880-35980-46	T-9 (1.5')	131 S1+	116
880-35980-47	T-9 (2')	142 S1+	122
880-35980-48	T-9 (3')	146 S1+	130
880-35980-49	T-9 (4')	129	110
880-35980-50	T-10 (0-1')	121	105
880-35980-51	T-10 (1.5')	138 S1+	119
880-35980-52	T-10 (2')	137 S1+	117
880-35980-53	T-10 (3')	141 S1+	126
880-35980-54	T-10 (4')	119	101
890-5639-A-14-E MS	Matrix Spike	101	92
890-5639-A-14-F MSD	Matrix Spike Duplicate	102	95
LCS 880-67463/2-A	Lab Control Sample	110	121
LCS 880-67472/2-A	Lab Control Sample	102	116
LCS 880-67473/2-A	Lab Control Sample	87	93
LCSD 880-67463/3-A	Lab Control Sample Dup	98	105
LCSD 880-67472/3-A	Lab Control Sample Dup	87	99
LCSD 880-67473/3-A	Lab Control Sample Dup	96	107
MB 880-67463/1-A	Method Blank	104	116
MB 880-67472/1-A	Method Blank	104	116

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-35980-1

Project/Site: Asio Otis Fed #3 (6.2.23)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		1CO1	OTPH1						
		(70-130)	(70-130)						
Lab Sample ID	Client Sample ID								
MB 880-67473/1-A	Method Blank	135 S1+	122						
Surrogate Legend									
1CO = 1-Chlorooctane									
OTPH = o-Terphenyl									

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-67371/5-A

Matrix: Solid

Analysis Batch: 67369

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 08:49	11/20/23 11:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	11/20/23 08:49	11/20/23 11:34	1
1,4-Difluorobenzene (Surr)	144	S1+	70 - 130	11/20/23 08:49	11/20/23 11:34	1

Lab Sample ID: MB 880-67375/5-A

Matrix: Solid

Analysis Batch: 67368

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67375

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 09:48	11/20/23 11:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 09:48	11/20/23 11:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 09:48	11/20/23 11:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 09:48	11/20/23 11:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 09:48	11/20/23 11:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 09:48	11/20/23 11:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	11/20/23 09:48	11/20/23 11:31	1
1,4-Difluorobenzene (Surr)	84		70 - 130	11/20/23 09:48	11/20/23 11:31	1

Lab Sample ID: MB 880-67385/5-A

Matrix: Solid

Analysis Batch: 67368

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 22:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 22:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 22:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 10:58	11/20/23 22:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 10:58	11/20/23 22:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 10:58	11/20/23 22:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	11/20/23 10:58	11/20/23 22:47	1
1,4-Difluorobenzene (Surr)	73		70 - 130	11/20/23 10:58	11/20/23 22:47	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-67385/1-A

Matrix: Solid

Analysis Batch: 67368

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1107		mg/Kg		111	70 - 130
Toluene	0.100	0.1052		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.09753		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2029		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09821		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: LCSD 880-67385/2-A

Matrix: Solid

Analysis Batch: 67368

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67385

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1109		mg/Kg		111	70 - 130	0	35
Toluene	0.100	0.1037		mg/Kg		104	70 - 130	1	35
Ethylbenzene	0.100	0.09281		mg/Kg		93	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1942		mg/Kg		97	70 - 130	4	35
o-Xylene	0.100	0.09406		mg/Kg		94	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: 880-35980-1 MS

Matrix: Solid

Analysis Batch: 67368

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

Prep Type: Total/NA

Prep Batch: 67385

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.09956		mg/Kg		100	70 - 130
Toluene	<0.00200	U	0.0996	0.09214		mg/Kg		93	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.08740		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.199	0.1791		mg/Kg		90	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08609		mg/Kg		86	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: 880-35980-1 MSD

Matrix: Solid

Analysis Batch: 67368

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

Prep Type: Total/NA

Prep Batch: 67385

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.101	0.1187		mg/Kg		118	70 - 130	18	35
Toluene	<0.00200	U	0.101	0.1161		mg/Kg		115	70 - 130	23	35
Ethylbenzene	<0.00200	U	0.101	0.1166		mg/Kg		116	70 - 130	29	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-1 MSD

Matrix: Solid

Analysis Batch: 67368

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

Prep Type: Total/NA

Prep Batch: 67385

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00400	U	0.202	0.2465		mg/Kg		122	70 - 130	32	35
o-Xylene	<0.00200	U	0.101	0.1181		mg/Kg		117	70 - 130	31	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	127		70 - 130								
1,4-Difluorobenzene (Surr)	120		70 - 130								

Lab Sample ID: MB 880-67386/5-A

Matrix: Solid

Analysis Batch: 67530

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67386

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	238	S1+	70 - 130				11/20/23 11:03	11/21/23 12:23	1
1,4-Difluorobenzene (Surr)	72		70 - 130				11/20/23 11:03	11/21/23 12:23	1

Lab Sample ID: LCS 880-67386/1-A

Matrix: Solid

Analysis Batch: 67530

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67386

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07956		mg/Kg		80	70 - 130
Toluene	0.100	0.09797		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09216		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1789		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09590		mg/Kg		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits				
4-Bromofluorobenzene (Surr)	328	S1+	70 - 130				
1,4-Difluorobenzene (Surr)	73		70 - 130				

Lab Sample ID: LCSD 880-67386/2-A

Matrix: Solid

Analysis Batch: 67530

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67386

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09439		mg/Kg		94	70 - 130	17	35
Toluene	0.100	0.09775		mg/Kg		98	70 - 130	0	35
Ethylbenzene	0.100	0.1002		mg/Kg		100	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1953		mg/Kg		98	70 - 130	9	35
o-Xylene	0.100	0.1011		mg/Kg		101	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	326	S1+	70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

Lab Sample ID: 880-35980-21 MS

Matrix: Solid

Analysis Batch: 67530

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

Prep Type: Total/NA

Prep Batch: 67386

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U F1 F2	0.100	0.006882	F1	mg/Kg		7	70 - 130	
Toluene	<0.00198	U F1 F2	0.100	0.01399	F1	mg/Kg		14	70 - 130	
Ethylbenzene	<0.00198	U F1	0.100	0.05904	F1	mg/Kg		59	70 - 130	
m-Xylene & p-Xylene	<0.00396	U F1	0.200	0.1163	F1	mg/Kg		58	70 - 130	
o-Xylene	<0.00198	U F1	0.100	0.05074	F1	mg/Kg		51	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	298	S1+	70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: 880-35980-21 MSD

Matrix: Solid

Analysis Batch: 67530

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

Prep Type: Total/NA

Prep Batch: 67386

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00198	U F1 F2	0.101	0.06302	F1 F2	mg/Kg		63	70 - 130	161	35	
Toluene	<0.00198	U F1 F2	0.101	0.06303	F1 F2	mg/Kg		63	70 - 130	127	35	
Ethylbenzene	<0.00198	U F1	0.101	0.07408		mg/Kg		73	70 - 130	23	35	
m-Xylene & p-Xylene	<0.00396	U F1	0.202	0.1527		mg/Kg		76	70 - 130	27	35	
o-Xylene	<0.00198	U F1	0.101	0.06481	F1	mg/Kg		64	70 - 130	24	35	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	326	S1+	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-67387/5-A

Matrix: Solid

Analysis Batch: 67369

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67387

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 00:13	1	
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 00:13	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 00:13	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 11:06	11/21/23 00:13	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:06	11/21/23 00:13	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 11:06	11/21/23 00:13	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
4-Bromofluorobenzene (Surr)	127		70 - 130	11/20/23 11:06	11/21/23 00:13	1				
1,4-Difluorobenzene (Surr)	166	S1+	70 - 130	11/20/23 11:06	11/21/23 00:13	1				

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-67387/1-A

Matrix: Solid

Analysis Batch: 67369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1022		mg/Kg		102	70 - 130
Toluene	0.100	0.08564		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08638		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1875		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09166		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-67387/2-A

Matrix: Solid

Analysis Batch: 67369

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67387

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09572		mg/Kg		96	70 - 130	7	35
Toluene	0.100	0.08646		mg/Kg		86	70 - 130	1	35
Ethylbenzene	0.100	0.07960		mg/Kg		80	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1934		mg/Kg		97	70 - 130	3	35
o-Xylene	0.100	0.09609		mg/Kg		96	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-35979-A-41-E MS

Matrix: Solid

Analysis Batch: 67369

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 67387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.09194		mg/Kg		92	70 - 130
Toluene	<0.00199	U	0.0996	0.08540		mg/Kg		86	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.07797		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1736		mg/Kg		87	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09330		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-35979-A-41-F MSD

Matrix: Solid

Analysis Batch: 67369

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 67387

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	0.09787		mg/Kg		97	70 - 130	6	35
Toluene	<0.00199	U	0.101	0.08844		mg/Kg		88	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.101	0.07454		mg/Kg		74	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35979-A-41-F MSD
Matrix: Solid
Analysis Batch: 67369

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 67387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1658		mg/Kg		82	70 - 130	5	35
o-Xylene	<0.00199	U	0.101	0.08812		mg/Kg		87	70 - 130	6	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	94		70 - 130								
1,4-Difluorobenzene (Surr)	114		70 - 130								

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

Lab Sample ID: MB 880-67463/1-A
Matrix: Solid
Analysis Batch: 67603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67463

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		11/20/23 15:44	11/22/23 08:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 08:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:44	11/22/23 08:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	104		70 - 130			11/20/23 15:44	11/22/23 08:19	1	
o-Terphenyl	116		70 - 130			11/20/23 15:44	11/22/23 08:19	1	

Lab Sample ID: LCS 880-67463/2-A
Matrix: Solid
Analysis Batch: 67603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67463

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec		
	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1105		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1022		mg/Kg		102	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	110		70 - 130						
o-Terphenyl	121		70 - 130						

Lab Sample ID: LCSD 880-67463/3-A
Matrix: Solid
Analysis Batch: 67603

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67463

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1084		mg/Kg		108	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	978.3		mg/Kg		98	70 - 130	4	20

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-67463/3-A
Matrix: Solid
Analysis Batch: 67603

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67463

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 890-5639-A-14-E MS
Matrix: Solid
Analysis Batch: 67603

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 67463

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	719.9		mg/Kg		72	70 - 130	
Diesel Range Organics (Over C10-C28)	56.0		1000	827.3		mg/Kg		77	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	101		70 - 130							
o-Terphenyl	92		70 - 130							

Lab Sample ID: 890-5639-A-14-F MSD
Matrix: Solid
Analysis Batch: 67603

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 67463

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	759.1		mg/Kg		76	70 - 130	5	20	
Diesel Range Organics (Over C10-C28)	56.0		1000	843.4		mg/Kg		79	70 - 130	2	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	102		70 - 130									
o-Terphenyl	95		70 - 130									

Lab Sample ID: MB 880-67472/1-A
Matrix: Solid
Analysis Batch: 67603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67472

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/22/23 19:49	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/22/23 19:49	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:48	11/22/23 19:49	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	104		70 - 130				11/20/23 15:48	11/22/23 19:49	1		
o-Terphenyl	116		70 - 130				11/20/23 15:48	11/22/23 19:49	1		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-67472/2-A

Matrix: Solid

Analysis Batch: 67603

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67472

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1145		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1000	967.2		mg/Kg		97	70 - 130
		LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	102		70 - 130				
o-Terphenyl	116		70 - 130				

Lab Sample ID: LCSD 880-67472/3-A

Matrix: Solid

Analysis Batch: 67603

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67472

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1017		mg/Kg		102	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	903.0		mg/Kg		90	70 - 130	7	20
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	87		70 - 130						
o-Terphenyl	99		70 - 130						

Lab Sample ID: 880-35980-18 MS

Matrix: Solid

Analysis Batch: 67603

Client Sample ID: T-4 (2')

Prep Type: Total/NA

Prep Batch: 67472

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	1085		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U F1	1000	764.1		mg/Kg		73	70 - 130
		MS	MS						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	89		70 - 130						

Lab Sample ID: 880-35980-18 MSD

Matrix: Solid

Analysis Batch: 67603

Client Sample ID: T-4 (2')

Prep Type: Total/NA

Prep Batch: 67472

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	926.1		mg/Kg		89	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<49.6	U F1	1000	657.6	F1	mg/Kg		63	70 - 130	15	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	81		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-18 MSD

Matrix: Solid

Analysis Batch: 67603

Client Sample ID: T-4 (2')

Prep Type: Total/NA

Prep Batch: 67472

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	75		70 - 130

Lab Sample ID: MB 880-67473/1-A

Matrix: Solid

Analysis Batch: 67601

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67473

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/22/23 19:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/22/23 19:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 15:52	11/22/23 19:49	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	135	S1+	70 - 130				11/20/23 15:52	11/22/23 19:49	1
<i>o</i> -Terphenyl	122		70 - 130				11/20/23 15:52	11/22/23 19:49	1

Lab Sample ID: LCS 880-67473/2-A

Matrix: Solid

Analysis Batch: 67601

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1029		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	986.1		mg/Kg		99	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	87		70 - 130				
<i>o</i> -Terphenyl	93		70 - 130				

Lab Sample ID: LCSD 880-67473/3-A

Matrix: Solid

Analysis Batch: 67601

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67473

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	997.8		mg/Kg		100	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1029		mg/Kg		103	70 - 130	4	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	96		70 - 130						
<i>o</i> -Terphenyl	107		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-38 MS

Matrix: Solid

Analysis Batch: 67601

Client Sample ID: T-7 (7')

Prep Type: Total/NA

Prep Batch: 67473

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	1000	959.6		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.4	U F1	1000	1386	F1	mg/Kg		136	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	150	S1+	70 - 130								
o-Terphenyl	116		70 - 130								

Lab Sample ID: 880-35980-38 MSD

Matrix: Solid

Analysis Batch: 67601

Client Sample ID: T-7 (7')

Prep Type: Total/NA

Prep Batch: 67473

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limits
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	1000	1028		mg/Kg		98	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.4	U F1	1000	1374	F1	mg/Kg		135	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	147	S1+	70 - 130								
o-Terphenyl	116		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-67429/1-A

Matrix: Solid

Analysis Batch: 67559

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			11/20/23 21:39	1

Lab Sample ID: LCS 880-67429/2-A

Matrix: Solid

Analysis Batch: 67559

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Chloride	250	258.2		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-67429/3-A

Matrix: Solid

Analysis Batch: 67559

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits
Chloride			250	256.9		mg/Kg		103	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-35980-1 MS

Matrix: Solid

Analysis Batch: 67559

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1040		2510	3505		mg/Kg		98	90 - 110		

Lab Sample ID: 880-35980-1 MSD

Matrix: Solid

Analysis Batch: 67559

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1040		2510	3480		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-35980-11 MS

Matrix: Solid

Analysis Batch: 67559

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2900		5050	7910		mg/Kg		99	90 - 110		

Lab Sample ID: 880-35980-11 MSD

Matrix: Solid

Analysis Batch: 67559

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2900		5050	7908		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-67433/1-A

Matrix: Solid

Analysis Batch: 67593

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			11/21/23 23:38	1

Lab Sample ID: LCS 880-67433/2-A

Matrix: Solid

Analysis Batch: 67593

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	262.8		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-67433/3-A

Matrix: Solid

Analysis Batch: 67593

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	262.0		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-35980-21 MS

Matrix: Solid

Analysis Batch: 67593

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	12700	F1	12600	26650	F1	mg/Kg		111	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-35980-21 MSD

Matrix: Solid

Analysis Batch: 67593

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12700	F1	12600	26790	F1	mg/Kg		112	90 - 110	0	20

Lab Sample ID: 880-35980-31 MS

Matrix: Solid

Analysis Batch: 67593

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	6240		5040	11530		mg/Kg		105	90 - 110		

Lab Sample ID: 880-35980-31 MSD

Matrix: Solid

Analysis Batch: 67593

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6240		5040	11590		mg/Kg		106	90 - 110	1	20

Lab Sample ID: MB 880-67437/1-A

Matrix: Solid

Analysis Batch: 67594

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			11/21/23 05:19	1

Lab Sample ID: LCS 880-67437/2-A

Matrix: Solid

Analysis Batch: 67594

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	257.2		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-67437/3-A

Matrix: Solid

Analysis Batch: 67594

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-35980-41 MS

Matrix: Solid

Analysis Batch: 67594

Client Sample ID: T-8 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2230		2530	4711		mg/Kg		98	90 - 110		

Lab Sample ID: 880-35980-41 MSD

Matrix: Solid

Analysis Batch: 67594

Client Sample ID: T-8 (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	2230		2530	4704		mg/Kg		98	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-35980-51 MS

Client Sample ID: T-10 (1.5')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 67594

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	413		1260	1713		mg/Kg		103	90 - 110

Lab Sample ID: 880-35980-51 MSD

Client Sample ID: T-10 (1.5')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 67594

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	413		1260	1708		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 67368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Total/NA	Solid	8021B	67385
880-35980-2	T-1 (1.5')	Total/NA	Solid	8021B	67385
880-35980-3	T-1 (2')	Total/NA	Solid	8021B	67385
880-35980-4	T-1 (3')	Total/NA	Solid	8021B	67385
880-35980-5	T-1 (4')	Total/NA	Solid	8021B	67385
880-35980-6	T-2 (0-1')	Total/NA	Solid	8021B	67385
880-35980-7	T-2 (1.5')	Total/NA	Solid	8021B	67385
880-35980-8	T-2 (2')	Total/NA	Solid	8021B	67385
880-35980-9	T-2 (3')	Total/NA	Solid	8021B	67385
880-35980-10	T-2 (4')	Total/NA	Solid	8021B	67385
880-35980-11	T-3 (0-1')	Total/NA	Solid	8021B	67385
880-35980-12	T-3 (1.5')	Total/NA	Solid	8021B	67385
880-35980-13	T-3 (2')	Total/NA	Solid	8021B	67385
880-35980-14	T-3 (3')	Total/NA	Solid	8021B	67385
880-35980-15	T-3 (4')	Total/NA	Solid	8021B	67385
880-35980-16	T-4 (0-1')	Total/NA	Solid	8021B	67385
880-35980-17	T-4 (1.5')	Total/NA	Solid	8021B	67385
880-35980-18	T-4 (2')	Total/NA	Solid	8021B	67385
880-35980-19	T-4 (3')	Total/NA	Solid	8021B	67385
880-35980-20	T-4 (4')	Total/NA	Solid	8021B	67385
MB 880-67375/5-A	Method Blank	Total/NA	Solid	8021B	67375
MB 880-67385/5-A	Method Blank	Total/NA	Solid	8021B	67385
LCS 880-67385/1-A	Lab Control Sample	Total/NA	Solid	8021B	67385
LCSD 880-67385/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67385
880-35980-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	67385
880-35980-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	67385

Analysis Batch: 67369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-41	T-8 (1.5')	Total/NA	Solid	8021B	67387
880-35980-42	T-8 (2')	Total/NA	Solid	8021B	67387
880-35980-43	T-8 (3')	Total/NA	Solid	8021B	67387
880-35980-44	T-8 (4')	Total/NA	Solid	8021B	67387
880-35980-45	T-9 (0-1')	Total/NA	Solid	8021B	67387
880-35980-46	T-9 (1.5')	Total/NA	Solid	8021B	67387
880-35980-47	T-9 (2')	Total/NA	Solid	8021B	67387
880-35980-48	T-9 (3')	Total/NA	Solid	8021B	67387
880-35980-49	T-9 (4')	Total/NA	Solid	8021B	67387
880-35980-50	T-10 (0-1')	Total/NA	Solid	8021B	67387
880-35980-51	T-10 (1.5')	Total/NA	Solid	8021B	67387
880-35980-52	T-10 (2')	Total/NA	Solid	8021B	67387
880-35980-53	T-10 (3')	Total/NA	Solid	8021B	67387
880-35980-54	T-10 (4')	Total/NA	Solid	8021B	67387
MB 880-67371/5-A	Method Blank	Total/NA	Solid	8021B	67371
MB 880-67387/5-A	Method Blank	Total/NA	Solid	8021B	67387
LCS 880-67387/1-A	Lab Control Sample	Total/NA	Solid	8021B	67387
LCSD 880-67387/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67387
880-35979-A-41-E MS	Matrix Spike	Total/NA	Solid	8021B	67387
880-35979-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	67387

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 67371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-67371/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 67375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-67375/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 67385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Total/NA	Solid	5035	
880-35980-2	T-1 (1.5')	Total/NA	Solid	5035	
880-35980-3	T-1 (2')	Total/NA	Solid	5035	
880-35980-4	T-1 (3')	Total/NA	Solid	5035	
880-35980-5	T-1 (4')	Total/NA	Solid	5035	
880-35980-6	T-2 (0-1')	Total/NA	Solid	5035	
880-35980-7	T-2 (1.5')	Total/NA	Solid	5035	
880-35980-8	T-2 (2')	Total/NA	Solid	5035	
880-35980-9	T-2 (3')	Total/NA	Solid	5035	
880-35980-10	T-2 (4')	Total/NA	Solid	5035	
880-35980-11	T-3 (0-1')	Total/NA	Solid	5035	
880-35980-12	T-3 (1.5')	Total/NA	Solid	5035	
880-35980-13	T-3 (2')	Total/NA	Solid	5035	
880-35980-14	T-3 (3')	Total/NA	Solid	5035	
880-35980-15	T-3 (4')	Total/NA	Solid	5035	
880-35980-16	T-4 (0-1')	Total/NA	Solid	5035	
880-35980-17	T-4 (1.5')	Total/NA	Solid	5035	
880-35980-18	T-4 (2')	Total/NA	Solid	5035	
880-35980-19	T-4 (3')	Total/NA	Solid	5035	
880-35980-20	T-4 (4')	Total/NA	Solid	5035	
MB 880-67385/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67385/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67385/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-35980-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-35980-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 67386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-21	T-5 (0-1')	Total/NA	Solid	5035	
880-35980-22	T-5 (1.5')	Total/NA	Solid	5035	
880-35980-23	T-5 (2')	Total/NA	Solid	5035	
880-35980-24	T-5 (3')	Total/NA	Solid	5035	
880-35980-25	T-5 (4')	Total/NA	Solid	5035	
880-35980-26	T-6 (0-1')	Total/NA	Solid	5035	
880-35980-27	T-6 (1.5')	Total/NA	Solid	5035	
880-35980-28	T-6 (2')	Total/NA	Solid	5035	
880-35980-29	T-6 (3')	Total/NA	Solid	5035	
880-35980-30	T-6 (4')	Total/NA	Solid	5035	
880-35980-31	T-7 (0-1')	Total/NA	Solid	5035	
880-35980-32	T-7 (1.5')	Total/NA	Solid	5035	
880-35980-33	T-7 (2')	Total/NA	Solid	5035	
880-35980-34	T-7 (3')	Total/NA	Solid	5035	
880-35980-35	T-7 (4')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 67386 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-36	T-7 (5')	Total/NA	Solid	5035	
880-35980-37	T-7 (6')	Total/NA	Solid	5035	
880-35980-38	T-7 (7')	Total/NA	Solid	5035	
880-35980-39	T-8 (8')	Total/NA	Solid	5035	
880-35980-40	T-8 (0-1')	Total/NA	Solid	5035	
MB 880-67386/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67386/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67386/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-35980-21 MS	T-5 (0-1')	Total/NA	Solid	5035	
880-35980-21 MSD	T-5 (0-1')	Total/NA	Solid	5035	

Prep Batch: 67387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-41	T-8 (1.5')	Total/NA	Solid	5035	
880-35980-42	T-8 (2')	Total/NA	Solid	5035	
880-35980-43	T-8 (3')	Total/NA	Solid	5035	
880-35980-44	T-8 (4')	Total/NA	Solid	5035	
880-35980-45	T-9 (0-1')	Total/NA	Solid	5035	
880-35980-46	T-9 (1.5')	Total/NA	Solid	5035	
880-35980-47	T-9 (2')	Total/NA	Solid	5035	
880-35980-48	T-9 (3')	Total/NA	Solid	5035	
880-35980-49	T-9 (4')	Total/NA	Solid	5035	
880-35980-50	T-10 (0-1')	Total/NA	Solid	5035	
880-35980-51	T-10 (1.5')	Total/NA	Solid	5035	
880-35980-52	T-10 (2')	Total/NA	Solid	5035	
880-35980-53	T-10 (3')	Total/NA	Solid	5035	
880-35980-54	T-10 (4')	Total/NA	Solid	5035	
MB 880-67387/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67387/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67387/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-35979-A-41-E MS	Matrix Spike	Total/NA	Solid	5035	
880-35979-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 67530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-21	T-5 (0-1')	Total/NA	Solid	8021B	67386
880-35980-22	T-5 (1.5')	Total/NA	Solid	8021B	67386
880-35980-23	T-5 (2')	Total/NA	Solid	8021B	67386
880-35980-24	T-5 (3')	Total/NA	Solid	8021B	67386
880-35980-25	T-5 (4')	Total/NA	Solid	8021B	67386
880-35980-26	T-6 (0-1')	Total/NA	Solid	8021B	67386
880-35980-27	T-6 (1.5')	Total/NA	Solid	8021B	67386
880-35980-28	T-6 (2')	Total/NA	Solid	8021B	67386
880-35980-29	T-6 (3')	Total/NA	Solid	8021B	67386
880-35980-30	T-6 (4')	Total/NA	Solid	8021B	67386
880-35980-31	T-7 (0-1')	Total/NA	Solid	8021B	67386
880-35980-32	T-7 (1.5')	Total/NA	Solid	8021B	67386
880-35980-33	T-7 (2')	Total/NA	Solid	8021B	67386
880-35980-34	T-7 (3')	Total/NA	Solid	8021B	67386
880-35980-35	T-7 (4')	Total/NA	Solid	8021B	67386
880-35980-36	T-7 (5')	Total/NA	Solid	8021B	67386

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 67530 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-37	T-7 (6')	Total/NA	Solid	8021B	67386
880-35980-38	T-7 (7')	Total/NA	Solid	8021B	67386
880-35980-39	T-8 (8')	Total/NA	Solid	8021B	67386
880-35980-40	T-8 (0-1')	Total/NA	Solid	8021B	67386
MB 880-67386/5-A	Method Blank	Total/NA	Solid	8021B	67386
LCS 880-67386/1-A	Lab Control Sample	Total/NA	Solid	8021B	67386
LCSD 880-67386/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67386
880-35980-21 MS	T-5 (0-1')	Total/NA	Solid	8021B	67386
880-35980-21 MSD	T-5 (0-1')	Total/NA	Solid	8021B	67386

Analysis Batch: 67549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-35980-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-35980-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-35980-6	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-7	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-8	T-2 (2')	Total/NA	Solid	Total BTEX	
880-35980-9	T-2 (3')	Total/NA	Solid	Total BTEX	
880-35980-10	T-2 (4')	Total/NA	Solid	Total BTEX	
880-35980-11	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-12	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-13	T-3 (2')	Total/NA	Solid	Total BTEX	
880-35980-14	T-3 (3')	Total/NA	Solid	Total BTEX	
880-35980-15	T-3 (4')	Total/NA	Solid	Total BTEX	
880-35980-16	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-17	T-4 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-18	T-4 (2')	Total/NA	Solid	Total BTEX	
880-35980-19	T-4 (3')	Total/NA	Solid	Total BTEX	
880-35980-20	T-4 (4')	Total/NA	Solid	Total BTEX	
880-35980-21	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-22	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-23	T-5 (2')	Total/NA	Solid	Total BTEX	
880-35980-24	T-5 (3')	Total/NA	Solid	Total BTEX	
880-35980-25	T-5 (4')	Total/NA	Solid	Total BTEX	
880-35980-26	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-27	T-6 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-28	T-6 (2')	Total/NA	Solid	Total BTEX	
880-35980-29	T-6 (3')	Total/NA	Solid	Total BTEX	
880-35980-30	T-6 (4')	Total/NA	Solid	Total BTEX	
880-35980-31	T-7 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-32	T-7 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-33	T-7 (2')	Total/NA	Solid	Total BTEX	
880-35980-34	T-7 (3')	Total/NA	Solid	Total BTEX	
880-35980-35	T-7 (4')	Total/NA	Solid	Total BTEX	
880-35980-36	T-7 (5')	Total/NA	Solid	Total BTEX	
880-35980-37	T-7 (6')	Total/NA	Solid	Total BTEX	
880-35980-38	T-7 (7')	Total/NA	Solid	Total BTEX	
880-35980-39	T-8 (8')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 67549 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-40	T-8 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-41	T-8 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-42	T-8 (2')	Total/NA	Solid	Total BTEX	
880-35980-43	T-8 (3')	Total/NA	Solid	Total BTEX	
880-35980-44	T-8 (4')	Total/NA	Solid	Total BTEX	
880-35980-45	T-9 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-46	T-9 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-47	T-9 (2')	Total/NA	Solid	Total BTEX	
880-35980-48	T-9 (3')	Total/NA	Solid	Total BTEX	
880-35980-49	T-9 (4')	Total/NA	Solid	Total BTEX	
880-35980-50	T-10 (0-1')	Total/NA	Solid	Total BTEX	
880-35980-51	T-10 (1.5')	Total/NA	Solid	Total BTEX	
880-35980-52	T-10 (2')	Total/NA	Solid	Total BTEX	
880-35980-53	T-10 (3')	Total/NA	Solid	Total BTEX	
880-35980-54	T-10 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 67463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-35980-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-35980-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-35980-6	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-7	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-8	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-35980-9	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-35980-10	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-35980-11	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-12	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-13	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-35980-14	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-35980-15	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-35980-16	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-17	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-67463/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67463/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67463/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5639-A-14-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5639-A-14-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 67472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-18	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-35980-19	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-35980-20	T-4 (4')	Total/NA	Solid	8015NM Prep	
880-35980-21	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-22	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-23	T-5 (2')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 67472 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-24	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-35980-25	T-5 (4')	Total/NA	Solid	8015NM Prep	
880-35980-26	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-27	T-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-28	T-6 (2')	Total/NA	Solid	8015NM Prep	
880-35980-29	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-35980-30	T-6 (4')	Total/NA	Solid	8015NM Prep	
880-35980-31	T-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-32	T-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-33	T-7 (2')	Total/NA	Solid	8015NM Prep	
880-35980-34	T-7 (3')	Total/NA	Solid	8015NM Prep	
880-35980-35	T-7 (4')	Total/NA	Solid	8015NM Prep	
880-35980-36	T-7 (5')	Total/NA	Solid	8015NM Prep	
880-35980-37	T-7 (6')	Total/NA	Solid	8015NM Prep	
MB 880-67472/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67472/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67472/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-35980-18 MS	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-35980-18 MSD	T-4 (2')	Total/NA	Solid	8015NM Prep	

Prep Batch: 67473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-38	T-7 (7')	Total/NA	Solid	8015NM Prep	
880-35980-39	T-8 (8')	Total/NA	Solid	8015NM Prep	
880-35980-40	T-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-41	T-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-42	T-8 (2')	Total/NA	Solid	8015NM Prep	
880-35980-43	T-8 (3')	Total/NA	Solid	8015NM Prep	
880-35980-44	T-8 (4')	Total/NA	Solid	8015NM Prep	
880-35980-45	T-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-46	T-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-47	T-9 (2')	Total/NA	Solid	8015NM Prep	
880-35980-48	T-9 (3')	Total/NA	Solid	8015NM Prep	
880-35980-49	T-9 (4')	Total/NA	Solid	8015NM Prep	
880-35980-50	T-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-35980-51	T-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-35980-52	T-10 (2')	Total/NA	Solid	8015NM Prep	
880-35980-53	T-10 (3')	Total/NA	Solid	8015NM Prep	
880-35980-54	T-10 (4')	Total/NA	Solid	8015NM Prep	
MB 880-67473/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67473/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67473/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-35980-38 MS	T-7 (7')	Total/NA	Solid	8015NM Prep	
880-35980-38 MSD	T-7 (7')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 67601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-38	T-7 (7')	Total/NA	Solid	8015B NM	67473
880-35980-39	T-8 (8')	Total/NA	Solid	8015B NM	67473
880-35980-40	T-8 (0-1')	Total/NA	Solid	8015B NM	67473
880-35980-41	T-8 (1.5')	Total/NA	Solid	8015B NM	67473

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 67601 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-42	T-8 (2')	Total/NA	Solid	8015B NM	67473
880-35980-43	T-8 (3')	Total/NA	Solid	8015B NM	67473
880-35980-44	T-8 (4')	Total/NA	Solid	8015B NM	67473
880-35980-45	T-9 (0-1')	Total/NA	Solid	8015B NM	67473
880-35980-46	T-9 (1.5')	Total/NA	Solid	8015B NM	67473
880-35980-47	T-9 (2')	Total/NA	Solid	8015B NM	67473
880-35980-48	T-9 (3')	Total/NA	Solid	8015B NM	67473
880-35980-49	T-9 (4')	Total/NA	Solid	8015B NM	67473
880-35980-50	T-10 (0-1')	Total/NA	Solid	8015B NM	67473
880-35980-51	T-10 (1.5')	Total/NA	Solid	8015B NM	67473
880-35980-52	T-10 (2')	Total/NA	Solid	8015B NM	67473
880-35980-53	T-10 (3')	Total/NA	Solid	8015B NM	67473
880-35980-54	T-10 (4')	Total/NA	Solid	8015B NM	67473
MB 880-67473/1-A	Method Blank	Total/NA	Solid	8015B NM	67473
LCS 880-67473/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67473
LCSD 880-67473/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67473
880-35980-38 MS	T-7 (7')	Total/NA	Solid	8015B NM	67473
880-35980-38 MSD	T-7 (7')	Total/NA	Solid	8015B NM	67473

Analysis Batch: 67603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Total/NA	Solid	8015B NM	67463
880-35980-2	T-1 (1.5')	Total/NA	Solid	8015B NM	67463
880-35980-3	T-1 (2')	Total/NA	Solid	8015B NM	67463
880-35980-4	T-1 (3')	Total/NA	Solid	8015B NM	67463
880-35980-5	T-1 (4')	Total/NA	Solid	8015B NM	67463
880-35980-6	T-2 (0-1')	Total/NA	Solid	8015B NM	67463
880-35980-7	T-2 (1.5')	Total/NA	Solid	8015B NM	67463
880-35980-8	T-2 (2')	Total/NA	Solid	8015B NM	67463
880-35980-9	T-2 (3')	Total/NA	Solid	8015B NM	67463
880-35980-10	T-2 (4')	Total/NA	Solid	8015B NM	67463
880-35980-11	T-3 (0-1')	Total/NA	Solid	8015B NM	67463
880-35980-12	T-3 (1.5')	Total/NA	Solid	8015B NM	67463
880-35980-13	T-3 (2')	Total/NA	Solid	8015B NM	67463
880-35980-14	T-3 (3')	Total/NA	Solid	8015B NM	67463
880-35980-15	T-3 (4')	Total/NA	Solid	8015B NM	67463
880-35980-16	T-4 (0-1')	Total/NA	Solid	8015B NM	67463
880-35980-17	T-4 (1.5')	Total/NA	Solid	8015B NM	67463
880-35980-18	T-4 (2')	Total/NA	Solid	8015B NM	67472
880-35980-19	T-4 (3')	Total/NA	Solid	8015B NM	67472
880-35980-20	T-4 (4')	Total/NA	Solid	8015B NM	67472
880-35980-21	T-5 (0-1')	Total/NA	Solid	8015B NM	67472
880-35980-22	T-5 (1.5')	Total/NA	Solid	8015B NM	67472
880-35980-23	T-5 (2')	Total/NA	Solid	8015B NM	67472
880-35980-24	T-5 (3')	Total/NA	Solid	8015B NM	67472
880-35980-25	T-5 (4')	Total/NA	Solid	8015B NM	67472
880-35980-26	T-6 (0-1')	Total/NA	Solid	8015B NM	67472
880-35980-27	T-6 (1.5')	Total/NA	Solid	8015B NM	67472
880-35980-28	T-6 (2')	Total/NA	Solid	8015B NM	67472
880-35980-29	T-6 (3')	Total/NA	Solid	8015B NM	67472
880-35980-30	T-6 (4')	Total/NA	Solid	8015B NM	67472

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 67603 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-31	T-7 (0-1')	Total/NA	Solid	8015B NM	67472
880-35980-32	T-7 (1.5')	Total/NA	Solid	8015B NM	67472
880-35980-33	T-7 (2')	Total/NA	Solid	8015B NM	67472
880-35980-34	T-7 (3')	Total/NA	Solid	8015B NM	67472
880-35980-35	T-7 (4')	Total/NA	Solid	8015B NM	67472
880-35980-36	T-7 (5')	Total/NA	Solid	8015B NM	67472
880-35980-37	T-7 (6')	Total/NA	Solid	8015B NM	67472
MB 880-67463/1-A	Method Blank	Total/NA	Solid	8015B NM	67463
MB 880-67472/1-A	Method Blank	Total/NA	Solid	8015B NM	67472
LCS 880-67463/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67463
LCS 880-67472/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67472
LCSD 880-67463/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67463
LCSD 880-67472/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67472
880-35980-18 MS	T-4 (2')	Total/NA	Solid	8015B NM	67472
880-35980-18 MSD	T-4 (2')	Total/NA	Solid	8015B NM	67472
890-5639-A-14-E MS	Matrix Spike	Total/NA	Solid	8015B NM	67463
890-5639-A-14-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	67463

Analysis Batch: 67752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-35980-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-35980-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-35980-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-35980-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-35980-6	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-35980-7	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-35980-8	T-2 (2')	Total/NA	Solid	8015 NM	
880-35980-9	T-2 (3')	Total/NA	Solid	8015 NM	
880-35980-10	T-2 (4')	Total/NA	Solid	8015 NM	
880-35980-11	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-35980-12	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-35980-13	T-3 (2')	Total/NA	Solid	8015 NM	
880-35980-14	T-3 (3')	Total/NA	Solid	8015 NM	
880-35980-15	T-3 (4')	Total/NA	Solid	8015 NM	
880-35980-16	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-35980-17	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-35980-18	T-4 (2')	Total/NA	Solid	8015 NM	
880-35980-19	T-4 (3')	Total/NA	Solid	8015 NM	
880-35980-20	T-4 (4')	Total/NA	Solid	8015 NM	
880-35980-21	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-35980-22	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-35980-23	T-5 (2')	Total/NA	Solid	8015 NM	
880-35980-24	T-5 (3')	Total/NA	Solid	8015 NM	
880-35980-25	T-5 (4')	Total/NA	Solid	8015 NM	
880-35980-26	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-35980-27	T-6 (1.5')	Total/NA	Solid	8015 NM	
880-35980-28	T-6 (2')	Total/NA	Solid	8015 NM	
880-35980-29	T-6 (3')	Total/NA	Solid	8015 NM	
880-35980-30	T-6 (4')	Total/NA	Solid	8015 NM	
880-35980-31	T-7 (0-1')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 67752 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-32	T-7 (1.5')	Total/NA	Solid	8015 NM	
880-35980-33	T-7 (2')	Total/NA	Solid	8015 NM	
880-35980-34	T-7 (3')	Total/NA	Solid	8015 NM	
880-35980-35	T-7 (4')	Total/NA	Solid	8015 NM	
880-35980-36	T-7 (5')	Total/NA	Solid	8015 NM	
880-35980-37	T-7 (6')	Total/NA	Solid	8015 NM	
880-35980-38	T-7 (7')	Total/NA	Solid	8015 NM	
880-35980-39	T-8 (8')	Total/NA	Solid	8015 NM	
880-35980-40	T-8 (0-1')	Total/NA	Solid	8015 NM	
880-35980-41	T-8 (1.5')	Total/NA	Solid	8015 NM	
880-35980-42	T-8 (2')	Total/NA	Solid	8015 NM	
880-35980-43	T-8 (3')	Total/NA	Solid	8015 NM	
880-35980-44	T-8 (4')	Total/NA	Solid	8015 NM	
880-35980-45	T-9 (0-1')	Total/NA	Solid	8015 NM	
880-35980-46	T-9 (1.5')	Total/NA	Solid	8015 NM	
880-35980-47	T-9 (2')	Total/NA	Solid	8015 NM	
880-35980-48	T-9 (3')	Total/NA	Solid	8015 NM	
880-35980-49	T-9 (4')	Total/NA	Solid	8015 NM	
880-35980-50	T-10 (0-1')	Total/NA	Solid	8015 NM	
880-35980-51	T-10 (1.5')	Total/NA	Solid	8015 NM	
880-35980-52	T-10 (2')	Total/NA	Solid	8015 NM	
880-35980-53	T-10 (3')	Total/NA	Solid	8015 NM	
880-35980-54	T-10 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 67429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-35980-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-35980-3	T-1 (2')	Soluble	Solid	DI Leach	
880-35980-4	T-1 (3')	Soluble	Solid	DI Leach	
880-35980-5	T-1 (4')	Soluble	Solid	DI Leach	
880-35980-6	T-2 (0-1')	Soluble	Solid	DI Leach	
880-35980-7	T-2 (1.5')	Soluble	Solid	DI Leach	
880-35980-8	T-2 (2')	Soluble	Solid	DI Leach	
880-35980-9	T-2 (3')	Soluble	Solid	DI Leach	
880-35980-10	T-2 (4')	Soluble	Solid	DI Leach	
880-35980-11	T-3 (0-1')	Soluble	Solid	DI Leach	
880-35980-12	T-3 (1.5')	Soluble	Solid	DI Leach	
880-35980-13	T-3 (2')	Soluble	Solid	DI Leach	
880-35980-14	T-3 (3')	Soluble	Solid	DI Leach	
880-35980-15	T-3 (4')	Soluble	Solid	DI Leach	
880-35980-16	T-4 (0-1')	Soluble	Solid	DI Leach	
880-35980-17	T-4 (1.5')	Soluble	Solid	DI Leach	
880-35980-18	T-4 (2')	Soluble	Solid	DI Leach	
880-35980-19	T-4 (3')	Soluble	Solid	DI Leach	
880-35980-20	T-4 (4')	Soluble	Solid	DI Leach	
MB 880-67429/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67429/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67429/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 67429 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1 MS	T-1 (0-1')	Soluble	Solid	DI Leach	
880-35980-1 MSD	T-1 (0-1')	Soluble	Solid	DI Leach	
880-35980-11 MS	T-3 (0-1')	Soluble	Solid	DI Leach	
880-35980-11 MSD	T-3 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 67433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-21	T-5 (0-1')	Soluble	Solid	DI Leach	
880-35980-22	T-5 (1.5')	Soluble	Solid	DI Leach	
880-35980-23	T-5 (2')	Soluble	Solid	DI Leach	
880-35980-24	T-5 (3')	Soluble	Solid	DI Leach	
880-35980-25	T-5 (4')	Soluble	Solid	DI Leach	
880-35980-26	T-6 (0-1')	Soluble	Solid	DI Leach	
880-35980-27	T-6 (1.5')	Soluble	Solid	DI Leach	
880-35980-28	T-6 (2')	Soluble	Solid	DI Leach	
880-35980-29	T-6 (3')	Soluble	Solid	DI Leach	
880-35980-30	T-6 (4')	Soluble	Solid	DI Leach	
880-35980-31	T-7 (0-1')	Soluble	Solid	DI Leach	
880-35980-32	T-7 (1.5')	Soluble	Solid	DI Leach	
880-35980-33	T-7 (2')	Soluble	Solid	DI Leach	
880-35980-34	T-7 (3')	Soluble	Solid	DI Leach	
880-35980-35	T-7 (4')	Soluble	Solid	DI Leach	
880-35980-36	T-7 (5')	Soluble	Solid	DI Leach	
880-35980-37	T-7 (6')	Soluble	Solid	DI Leach	
880-35980-38	T-7 (7')	Soluble	Solid	DI Leach	
880-35980-39	T-8 (8')	Soluble	Solid	DI Leach	
880-35980-40	T-8 (0-1')	Soluble	Solid	DI Leach	
MB 880-67433/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67433/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67433/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-35980-21 MS	T-5 (0-1')	Soluble	Solid	DI Leach	
880-35980-21 MSD	T-5 (0-1')	Soluble	Solid	DI Leach	
880-35980-31 MS	T-7 (0-1')	Soluble	Solid	DI Leach	
880-35980-31 MSD	T-7 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 67437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-41	T-8 (1.5')	Soluble	Solid	DI Leach	
880-35980-42	T-8 (2')	Soluble	Solid	DI Leach	
880-35980-43	T-8 (3')	Soluble	Solid	DI Leach	
880-35980-44	T-8 (4')	Soluble	Solid	DI Leach	
880-35980-45	T-9 (0-1')	Soluble	Solid	DI Leach	
880-35980-46	T-9 (1.5')	Soluble	Solid	DI Leach	
880-35980-47	T-9 (2')	Soluble	Solid	DI Leach	
880-35980-48	T-9 (3')	Soluble	Solid	DI Leach	
880-35980-49	T-9 (4')	Soluble	Solid	DI Leach	
880-35980-50	T-10 (0-1')	Soluble	Solid	DI Leach	
880-35980-51	T-10 (1.5')	Soluble	Solid	DI Leach	
880-35980-52	T-10 (2')	Soluble	Solid	DI Leach	
880-35980-53	T-10 (3')	Soluble	Solid	DI Leach	
880-35980-54	T-10 (4')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 67437 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-67437/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67437/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67437/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-35980-41 MS	T-8 (1.5')	Soluble	Solid	DI Leach	
880-35980-41 MSD	T-8 (1.5')	Soluble	Solid	DI Leach	
880-35980-51 MS	T-10 (1.5')	Soluble	Solid	DI Leach	
880-35980-51 MSD	T-10 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 67559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-1	T-1 (0-1')	Soluble	Solid	300.0	67429
880-35980-2	T-1 (1.5')	Soluble	Solid	300.0	67429
880-35980-3	T-1 (2')	Soluble	Solid	300.0	67429
880-35980-4	T-1 (3')	Soluble	Solid	300.0	67429
880-35980-5	T-1 (4')	Soluble	Solid	300.0	67429
880-35980-6	T-2 (0-1')	Soluble	Solid	300.0	67429
880-35980-7	T-2 (1.5')	Soluble	Solid	300.0	67429
880-35980-8	T-2 (2')	Soluble	Solid	300.0	67429
880-35980-9	T-2 (3')	Soluble	Solid	300.0	67429
880-35980-10	T-2 (4')	Soluble	Solid	300.0	67429
880-35980-11	T-3 (0-1')	Soluble	Solid	300.0	67429
880-35980-12	T-3 (1.5')	Soluble	Solid	300.0	67429
880-35980-13	T-3 (2')	Soluble	Solid	300.0	67429
880-35980-14	T-3 (3')	Soluble	Solid	300.0	67429
880-35980-15	T-3 (4')	Soluble	Solid	300.0	67429
880-35980-16	T-4 (0-1')	Soluble	Solid	300.0	67429
880-35980-17	T-4 (1.5')	Soluble	Solid	300.0	67429
880-35980-18	T-4 (2')	Soluble	Solid	300.0	67429
880-35980-19	T-4 (3')	Soluble	Solid	300.0	67429
880-35980-20	T-4 (4')	Soluble	Solid	300.0	67429
MB 880-67429/1-A	Method Blank	Soluble	Solid	300.0	67429
LCS 880-67429/2-A	Lab Control Sample	Soluble	Solid	300.0	67429
LCSD 880-67429/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67429
880-35980-1 MS	T-1 (0-1')	Soluble	Solid	300.0	67429
880-35980-1 MSD	T-1 (0-1')	Soluble	Solid	300.0	67429
880-35980-11 MS	T-3 (0-1')	Soluble	Solid	300.0	67429
880-35980-11 MSD	T-3 (0-1')	Soluble	Solid	300.0	67429

Analysis Batch: 67593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-21	T-5 (0-1')	Soluble	Solid	300.0	67433
880-35980-22	T-5 (1.5')	Soluble	Solid	300.0	67433
880-35980-23	T-5 (2')	Soluble	Solid	300.0	67433
880-35980-24	T-5 (3')	Soluble	Solid	300.0	67433
880-35980-25	T-5 (4')	Soluble	Solid	300.0	67433
880-35980-26	T-6 (0-1')	Soluble	Solid	300.0	67433
880-35980-27	T-6 (1.5')	Soluble	Solid	300.0	67433
880-35980-28	T-6 (2')	Soluble	Solid	300.0	67433
880-35980-29	T-6 (3')	Soluble	Solid	300.0	67433
880-35980-30	T-6 (4')	Soluble	Solid	300.0	67433
880-35980-31	T-7 (0-1')	Soluble	Solid	300.0	67433

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 67593 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-32	T-7 (1.5')	Soluble	Solid	300.0	67433
880-35980-33	T-7 (2')	Soluble	Solid	300.0	67433
880-35980-34	T-7 (3')	Soluble	Solid	300.0	67433
880-35980-35	T-7 (4')	Soluble	Solid	300.0	67433
880-35980-36	T-7 (5')	Soluble	Solid	300.0	67433
880-35980-37	T-7 (6')	Soluble	Solid	300.0	67433
880-35980-38	T-7 (7')	Soluble	Solid	300.0	67433
880-35980-39	T-8 (8')	Soluble	Solid	300.0	67433
880-35980-40	T-8 (0-1')	Soluble	Solid	300.0	67433
MB 880-67433/1-A	Method Blank	Soluble	Solid	300.0	67433
LCS 880-67433/2-A	Lab Control Sample	Soluble	Solid	300.0	67433
LCSD 880-67433/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67433
880-35980-21 MS	T-5 (0-1')	Soluble	Solid	300.0	67433
880-35980-21 MSD	T-5 (0-1')	Soluble	Solid	300.0	67433
880-35980-31 MS	T-7 (0-1')	Soluble	Solid	300.0	67433
880-35980-31 MSD	T-7 (0-1')	Soluble	Solid	300.0	67433

Analysis Batch: 67594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35980-41	T-8 (1.5')	Soluble	Solid	300.0	67437
880-35980-42	T-8 (2')	Soluble	Solid	300.0	67437
880-35980-43	T-8 (3')	Soluble	Solid	300.0	67437
880-35980-44	T-8 (4')	Soluble	Solid	300.0	67437
880-35980-45	T-9 (0-1')	Soluble	Solid	300.0	67437
880-35980-46	T-9 (1.5')	Soluble	Solid	300.0	67437
880-35980-47	T-9 (2')	Soluble	Solid	300.0	67437
880-35980-48	T-9 (3')	Soluble	Solid	300.0	67437
880-35980-49	T-9 (4')	Soluble	Solid	300.0	67437
880-35980-50	T-10 (0-1')	Soluble	Solid	300.0	67437
880-35980-51	T-10 (1.5')	Soluble	Solid	300.0	67437
880-35980-52	T-10 (2')	Soluble	Solid	300.0	67437
880-35980-53	T-10 (3')	Soluble	Solid	300.0	67437
880-35980-54	T-10 (4')	Soluble	Solid	300.0	67437
MB 880-67437/1-A	Method Blank	Soluble	Solid	300.0	67437
LCS 880-67437/2-A	Lab Control Sample	Soluble	Solid	300.0	67437
LCSD 880-67437/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67437
880-35980-41 MS	T-8 (1.5')	Soluble	Solid	300.0	67437
880-35980-41 MSD	T-8 (1.5')	Soluble	Solid	300.0	67437
880-35980-51 MS	T-10 (1.5')	Soluble	Solid	300.0	67437
880-35980-51 MSD	T-10 (1.5')	Soluble	Solid	300.0	67437

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/20/23 23:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/20/23 23:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 12:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 12:47	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67559	11/20/23 21:59	SMC	EET MID

Client Sample ID: T-1 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/20/23 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/20/23 23:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 13:09	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67559	11/20/23 22:18	SMC	EET MID

Client Sample ID: T-1 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/20/23 23:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/20/23 23:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 13:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 13:32	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 22:25	SMC	EET MID

Client Sample ID: T-1 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-4
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			4.96 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 00:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 00:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-4
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			67752	11/22/23 13:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 13:54	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 22:32	SMC	EET MID

Client Sample ID: T-1 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-5
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	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 00:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 00:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 14:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 14:16	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 22:38	SMC	EET MID

Client Sample ID: T-2 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-6
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	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 00:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 14:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 14:38	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67559	11/20/23 22:58	SMC	EET MID

Client Sample ID: T-2 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-7
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	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 01:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 15:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 15:01	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-35980-7

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67559	11/20/23 23:04	SMC	EET MID

Client Sample ID: T-2 (2')

Lab Sample ID: 880-35980-8

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 01:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 15:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 15:45	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 23:11	SMC	EET MID

Client Sample ID: T-2 (3')

Lab Sample ID: 880-35980-9

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 01:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 16:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 16:07	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 23:17	SMC	EET MID

Client Sample ID: T-2 (4')

Lab Sample ID: 880-35980-10

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 02:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 16:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 16:30	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 23:24	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 03:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 03:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 16:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 16:52	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67559	11/20/23 23:31	SMC	EET MID

Client Sample ID: T-3 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 03:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 03:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 17:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 17:15	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67559	11/20/23 23:50	SMC	EET MID

Client Sample ID: T-3 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 04:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 04:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 17:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 17:36	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/20/23 23:57	SMC	EET MID

Client Sample ID: T-3 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 04:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 04:36	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (3')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-14

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			67752	11/22/23 17:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 17:58	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/21/23 15:43	SMC	EET MID

Client Sample ID: T-3 (4')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-15

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			5.02 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 04:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 04:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 18:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 18:21	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/21/23 15:49	SMC	EET MID

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

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 05:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 05:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 18:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 18:42	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	67559	11/21/23 15:56	SMC	EET MID

Client Sample ID: T-4 (1.5')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-17

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	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 05:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 05:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 19:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	67463	11/20/23 15:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 19:04	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (1.5')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-17

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			4.97 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67559	11/21/23 16:02	SMC	EET MID

Client Sample ID: T-4 (2')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-18

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			5.03 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 05:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 05:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 20:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 20:55	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/21/23 16:09	SMC	EET MID

Client Sample ID: T-4 (3')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-19

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	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 06:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 06:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 22:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 22:02	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/21/23 16:15	SMC	EET MID

Client Sample ID: T-4 (4')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67385	11/20/23 10:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67368	11/21/23 06:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 06:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 22:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 22:25	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67429	11/20/23 13:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67559	11/21/23 16:22	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-21
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			5.05 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 12:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 22:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 22:46	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	67593	11/21/23 23:58	SMC	EET MID

Client Sample ID: T-5 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-22
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	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 13:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 23:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 23:07	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 00:18	SMC	EET MID

Client Sample ID: T-5 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 13:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 13:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 23:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 23:28	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 00:24	SMC	EET MID

Client Sample ID: T-5 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-24
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			4.99 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 14:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (3')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-24
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			67752	11/22/23 23:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/22/23 23:49	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67593	11/22/23 00:31	SMC	EET MID

Client Sample ID: T-5 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-25
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	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 14:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 00:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 00:10	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67593	11/22/23 00:37	SMC	EET MID

Client Sample ID: T-6 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-26
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			5.05 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 15:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 15:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 00:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 00:32	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	67593	11/22/23 00:57	SMC	EET MID

Client Sample ID: T-6 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-27
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			5.01 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 15:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 15:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 00:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 00:53	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (1.5')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 01:04	SMC	EET MID

Client Sample ID: T-6 (2')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-28

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			5.02 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 15:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 15:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 01:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 01:36	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 01:10	SMC	EET MID

Client Sample ID: T-6 (3')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 16:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 16:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 01:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 01:57	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67593	11/22/23 01:17	SMC	EET MID

Client Sample ID: T-6 (4')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-30

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			5.05 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 16:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 16:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 02:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 02:19	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67593	11/22/23 01:23	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35980-31

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 18:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 02:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 02:41	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 01:30	SMC	EET MID

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-35980-32

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 18:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 18:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 03:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 03:02	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 01:50	SMC	EET MID

Client Sample ID: T-7 (2')

Lab Sample ID: 880-35980-33

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 19:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 19:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 03:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 03:24	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 01:56	SMC	EET MID

Client Sample ID: T-7 (3')

Lab Sample ID: 880-35980-34

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 19:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 19:52	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (3')

Lab Sample ID: 880-35980-34

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67752	11/23/23 03:46	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 03:46	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67593	11/22/23 02:16	SMC	EET MID

Client Sample ID: T-7 (4')

Lab Sample ID: 880-35980-35

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 20:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 20:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 04:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 04:08	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67593	11/22/23 02:22	SMC	EET MID

Client Sample ID: T-7 (5')

Lab Sample ID: 880-35980-36

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 20:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 20:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 04:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 04:29	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67593	11/22/23 02:29	SMC	EET MID

Client Sample ID: T-7 (6')

Lab Sample ID: 880-35980-37

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 21:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 21:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 04:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67472	11/20/23 15:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67603	11/23/23 04:51	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (6')

Lab Sample ID: 880-35980-37

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67593	11/22/23 02:35	SMC	EET MID

Client Sample ID: T-7 (7')

Lab Sample ID: 880-35980-38

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 21:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 21:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 20:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 20:55	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 02:42	SMC	EET MID

Client Sample ID: T-8 (8')

Lab Sample ID: 880-35980-39

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 22:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 22:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 22:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 22:02	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67593	11/22/23 02:49	SMC	EET MID

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

Lab Sample ID: 880-35980-40

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	67386	11/20/23 11:03	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/21/23 22:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 22:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 22:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 22:25	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67433	11/20/23 13:31	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67593	11/22/23 02:55	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-8 (1.5')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-41

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 01:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 01:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 22:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 22:46	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67594	11/21/23 05:38	SMC	EET MID

Client Sample ID: T-8 (2')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-42

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			4.97 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 01:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 01:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 23:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 23:07	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 05:58	SMC	EET MID

Client Sample ID: T-8 (3')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-43

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 01:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 01:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/22/23 23:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 23:28	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 06:04	SMC	EET MID

Client Sample ID: T-8 (4')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-44

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			4.96 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 02:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 02:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-8 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-44
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			67752	11/22/23 23:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 23:49	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 06:11	SMC	EET MID

Client Sample ID: T-9 (0-1')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-45
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			5.03 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 02:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 02:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 00:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.903 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 00:10	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67594	11/21/23 06:18	SMC	EET MID

Client Sample ID: T-9 (1.5')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 02:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 02:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 00:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 00:32	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	67594	11/21/23 06:37	SMC	EET MID

Client Sample ID: T-9 (2')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 03:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 03:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 00:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 00:53	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-9 (2')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-47

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			4.97 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 06:44	SMC	EET MID

Client Sample ID: T-9 (3')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-48

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 03:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 03:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 01:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 01:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 06:50	SMC	EET MID

Client Sample ID: T-9 (4')

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-49

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			5.02 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 03:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 03:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 01:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 01:57	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 06:57	SMC	EET MID

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

Date Collected: 11/15/23 00:00

Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 05:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 05:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 02:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 02:19	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	67594	11/21/23 07:04	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-10 (1.5')

Lab Sample ID: 880-35980-51

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 05:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 05:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 02:41	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 02:41	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67594	11/21/23 07:10	SMC	EET MID

Client Sample ID: T-10 (2')

Lab Sample ID: 880-35980-52

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 06:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 06:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 03:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 03:02	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 07:30	SMC	EET MID

Client Sample ID: T-10 (3')

Lab Sample ID: 880-35980-53

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 10:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 10:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			67752	11/23/23 03:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 03:24	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 07:36	SMC	EET MID

Client Sample ID: T-10 (4')

Lab Sample ID: 880-35980-54

Date Collected: 11/15/23 00:00

Matrix: Solid

Date Received: 11/17/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67387	11/20/23 11:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/21/23 10:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67549	11/21/23 10:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Client Sample ID: T-10 (4')
Date Collected: 11/15/23 00:00
Date Received: 11/17/23 16:43

Lab Sample ID: 880-35980-54
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67752	11/23/23 03:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	67473	11/20/23 15:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/23/23 03:46	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	67437	11/20/23 13:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67594	11/21/23 07:56	SMC	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Asio Otis Fed #3 (6.2.23)

Job ID: 880-35980-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-35980-1	T-1 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-2	T-1 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-3	T-1 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-4	T-1 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-5	T-1 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-6	T-2 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-7	T-2 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-8	T-2 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-9	T-2 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-10	T-2 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-11	T-3 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-12	T-3 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-13	T-3 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-14	T-3 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-15	T-3 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-16	T-4 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-17	T-4 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-18	T-4 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-19	T-4 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-20	T-4 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-21	T-5 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-22	T-5 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-23	T-5 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-24	T-5 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-25	T-5 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-26	T-6 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-27	T-6 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-28	T-6 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-29	T-6 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-30	T-6 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-31	T-7 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-32	T-7 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-33	T-7 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-34	T-7 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-35	T-7 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-36	T-7 (5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-37	T-7 (6')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-38	T-7 (7')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-39	T-8 (8')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-40	T-8 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-41	T-8 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-42	T-8 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-43	T-8 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-44	T-8 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-45	T-9 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-46	T-9 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-47	T-9 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-48	T-9 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-49	T-9 (4')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-50	T-10 (0-1')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-51	T-10 (1.5')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-52	T-10 (2')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-53	T-10 (3')	Solid	11/15/23 00:00	11/17/23 16:43
880-35980-54	T-10 (4')	Solid	11/15/23 00:00	11/17/23 16:43

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Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.com

880-35980 Chain of Custody

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Pertund ☐

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

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

Deliverables EDD ☐ ADAPT ☐ Other ☐

Project Name:	Asio Otis Fed #3 (6.2.23)	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes																	
Project Number	2065	☐ Routine ☒ Rush														None: NO DI Water H ₂ O Cool Cool MeOH Me HCL, HC HNO ₃ , HN H ₂ SO ₄ , H ₂ NaOH Na H ₃ PO ₄ , HP NaHSO ₄ , NABIS Na ₂ S ₂ O ₈ , NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC																	
Project Location	Eddy County, New Mexico	Due Date	72 Hrs																														
Sample's Name	MM																																
PO #																																	
SAMPLE RECEIPT	Temp Blank: Yes No	Thermometer ID	Wet Ice: Yes No																														
Received Intact:	Yes No	Correction Factor																															
Cooler Custody Seals	Yes No	Temperature Reading																															
Sample Custody Seals	Yes No	Corrected Temperature:																															
Total Containers:																																	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments														
T-1 (0-1')	11/15/2023		X		G	1	X	X	X																								
T-1 (1.5')	11/15/2023		X		G	1	X	X	X																								
T-1 (2')	11/15/2023		X		G	1	X	X	X																								
T-1 (3')	11/15/2023		X		G	1	X	X	X																								
T-1 (4')	11/15/2023		X		G	1	X	X	X																								
T-2 (0-1')	11/15/2023		X		G	1	X	X	X																								
T-2 (1.5')	11/15/2023		X		G	1	X	X	X																								
T-2 (2')	11/15/2023		X		G	1	X	X	X																								
T-2 (3')	11/15/2023		X		G	1	X	X	X																								
T-2 (4')	11/15/2023		X		G	1	X	X	X																								

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	11/17/23		
	1643		

Work Order No: 35980

11/27/2023

Project Manager	Conner Moehring	Bill to, (if different)	Camrona Resources
Company Name:	Camrona Resources	Company Name	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone:	432-813-6823	Email	mcamrona@camronaresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables. EDD ☐ ADAPT ☐ Other	

Project Name				Asio Otis Fed #3 (6.2.23)				Turn Around				ANALYSIS REQUEST												Preservative Codes					
Project Number		2065		☐ Routine ☒ Rush																		None NO		DI Water H ₂ O					
Project Location		Eddy County, New Mexico		Due Date		72 Hrs																Cool Cool		MeOH Me					
Sampler's Name		MM																				HCL. HC		HNO ₃ . HN					
PO #																						H ₂ SO ₄ . H ₂		NaOH Na					
SAMPLE RECEIPT		Temp Blank:		Yes No		Thermometer ID		Yes No		Wet Ice		Yes No										H ₃ PO ₄ . HP							
Received Intact:		Yes No				Correction Factor																NaHSO ₄ . NABIS							
Cooler Custody Seals		Yes No		N/A		Temperature Reading.																Na ₂ S ₂ O ₃ . NaSO ₃							
Sample Custody Seals		Yes No		N/A		Corrected Temperature																Zn Acetate+NaOH Zn							
Total Containers				Corrected Temperature																		NaOH+Ascorbic Acid S/APC							
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont														Sample Comments			
T-3 (0-1')		11/15/2023				X				G		1		BTX 8021B															
T-3 (1.5')		11/15/2023				X				G		1		TPH 8015M (GRO + DRO + MRO)															
T-3 (2')		11/15/2023				X				G		1		Chloride 300.0															
T-3 (3')		11/15/2023				X				G		1																	
T-3 (4')		11/15/2023				X				G		1																	
T-4 (0-1')		11/15/2023				X				G		1																	
T-4 (1.5')		11/15/2023				X				G		1																	
T-4 (2')		11/15/2023				X				G		1																	
T-4 (3')		11/15/2023				X				G		1																	
T-4 (4')		11/15/2023				X				G		1																	

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	11/17/23 1643		

Project Manager	Conner Moehring	Bill to: (if different)	Camrona Resources
Company Name	Camrona Resources	Company Name	
Address	310 W Wall St. Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone:	432-813-6823	Email	mcamrona@camronaresources.com

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

Work Order No: 35980

Page 3 of 6

Project Name: Asio Oils Fed #3 (6.2.23)				Turn Around		ANALYSIS REQUEST										Preservative Codes				
Project Number	2065	☐ Routine	☒ Rush													None, NO	DI Water	H ₂ O		
Project Location	Eddy County, New Mexico	Due Date.	72 Hrs													Cool	Cool	MeOH	Me	
Sampler's Name	MM															HCL, HC		HNO ₃	HN	
PO #																H ₂ SO ₄ , H ₂			NaOH	Na
SAMPLE RECEIPT	Temp Blank:	Yes	No	Thermometer ID:	Yes	No	Wet Ice	Yes	No	Parameters										H ₃ PO ₄ , HP
	Received Inact:	Yes	No	Correction Factor											NaHSO ₄ , NABIS					
	Cooler Custody Seals:	Yes	No	N/A	Temperature Reading											Na ₂ S ₂ O ₃ , NaSO ₃				
	Sample Custody Seals:	Yes	No	N/A	Corrected Temperature											Zn Acetate+NaOH	Zn			
	Total Containers				Corrected Temperature											NaOH+Ascorbic Acid	SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments		
T-5 (0-1')		11/15/2023		X		G	1	X	X	X										
T-5 (1.5')		11/15/2023		X		G	1	X	X	X										
T-5 (2')		11/15/2023		X		G	1	X	X	X										
T-5 (3')		11/15/2023		X		G	1	X	X	X										
T-5 (4')		11/15/2023		X		G	1	X	X	X										
T-6 (0-1')		11/15/2023		X		G	1	X	X	X										
T-6 (1.5')		11/15/2023		X		G	1	X	X	X										
T-6 (2')		11/15/2023		X		G	1	X	X	X										
T-6 (3')		11/15/2023		X		G	1	X	X	X										
T-6 (4')		11/15/2023		X		G	1	X	X	X										

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

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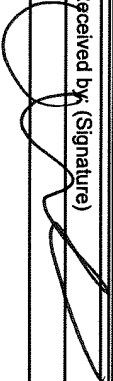
Work Order No: 35980

Page 4 of 6

Project Manager	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.com
Program: ☐UST/☐ST ☐PRP ☐Brownfields ☐RC ☐perfund ☐ State of Project: Reporting Level I ☐ Level II ☐ Level III ☐ ST/UST ☐ PRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other			

Project Name	Asio Otis Fed #3 (6.2.23)		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	2065		☐ Routine	☒ Rush		72 Hrs													None, NO
Project Location	Eddy County, New Mexico		Due Date															Cool Cool	MeOH: Me
Sampler's Name	MM																	HCL, HC	HNO ₃ , HN
PO #																		H ₂ SO ₄ , H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No													H ₃ PO ₄ , HP		
Received Intact:	Yes No	Thermometer ID:													NaHSO ₄ , NABIS				
Cooler Custody Seals	Yes No N/A	Correction Factor													Na ₂ S ₂ O ₃ , NASO ₃				
Sample Custody Seals	Yes No N/A	Temperature Reading													Zn Acetate+NaOH Zn				
Total Containers	Corrected Temperature:														NaOH+Ascorbic Acid SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
T-7 (0-1)	11/15/2023		X		G	1	X	X	X	X									
T-7 (1-5)	11/15/2023		X		G	1	X	X	X	X									
T-7 (2)	11/15/2023		X		G	1	X	X	X	X									
T-7 (3)	11/15/2023		X		G	1	X	X	X	X									
T-7 (4)	11/15/2023		X		G	1	X	X	X	X									
T-7 (5)	11/15/2023		X		G	1	X	X	X	X									
T-7 (6)	11/15/2023		X		G	1	X	X	X	X									
T-7 (7)	11/15/2023		X		G	1	X	X	X	X									
T-8 (8)	11/15/2023		X		G	1	X	X	X	X									
T-8 (0-1)	11/15/2023		X		G	1	X	X	X	X									

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/17/23		
	1643		

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

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

Work Order No: 35980

Project Name:		Asio Oils Fed #3 (6.2.23)		Turn Around		ANALYSIS REQUEST										Preservative Codes											
Project Number	2065			☐ Routine	☒ Rush	Pres. Code										None, NO	DI Water	H ₂ O									
Project Location	Eddy County, New Mexico			Due Date	72 Hrs											Cool	Cool	MeOH	Me								
Sampler's Name	MM															HCL	HC	HNO ₃	HN								
PO #:																H ₂ SO ₄	H ₂	NaOH	Na								
SAMPLE RECEIPT	Temp Blank:	Yes	No	Thermometer ID:	Wet Ice:	Yes	No	Parameters										H ₃ PO ₄	HP	NaHSO ₄	NABIS						
	Received Intact:	Yes	No					BTEx 8021B																Na ₂ S ₂ O ₅	NaSO ₃		
	Cooler Custody Seals	Yes	No	N/A	Correction Factor			TPH 8015M (GRO + DRO + MRO)																	Zn Acetate+NaOH	Zn	
	Sample Custody Seals:	Yes	No	N/A	Temperature Reading			Chloride 300.0																		NaOH+Ascorbic Acid	SAPC
	Total Containers				Corrected Temperature																						
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments									
T-8 (1.5')		11/15/2023		X		G	1	X	X	X	X																
T-8 (2')		11/15/2023		X		G	1	X	X	X	X																
T-8 (3')		11/15/2023		X		G	1	X	X	X	X																
T-8 (4')		11/15/2023		X		G	1	X	X	X	X																
T-9 (0-1')		11/15/2023		X		G	1	X	X	X	X																
T-9 (1.5')		11/15/2023		X		G	1	X	X	X	X																
T-9 (2')		11/15/2023		X		G	1	X	X	X	X																
T-9 (3')		11/15/2023		X		G	1	X	X	X	X																
T-9 (4')		11/15/2023		X		G	1	X	X	X	X																
T-10 (0-1')		11/15/2023		X		G	1	X	X	X	X																

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

[illegible]

Project Manager	Conner Moehring	Bill to (if different)	Camrona Resources
Company Name	Camrona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone:	432-813-6823	Email	mcamrona@camronaresources.com

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

Loc.: 880
35980

[illegible]

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

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-35980-1

SDG Number: Eddy County, New Mexico

Login Number: 35980

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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

APPENDIX F

CARMONA RESOURCES



Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

12/7/2023
Page 1 of 3

Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Soil Map—Eddy Area, New Mexico

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RG	Reeves-Gypsum land complex, 0 to 3 percent slopes	0.9	100.0%
Totals for Area of Interest		0.9	100.0%

Map Unit Description: Reeves-Gypsum land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5f

Elevation: 1,250 to 5,000 feet

Mean annual precipitation: 10 to 25 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 190 to 235 days

Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent

Gypsum land: 30 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Gypsum, maximum content: 80 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Map Unit Description: Reeves-Gypsum land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

Interpretive groups

Land capability classification (irrigated): 3s

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Description of Gypsum Land**Setting**

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Minor Components**Reagan**

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Largo

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent

Ecological site: R070BC033NM - Salty Bottomland

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

(26)

BLM SERIAL #:

COMPANY REFERENCE:

3.1 Seed Mixture 1, for Loamy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (small/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains lovegrass (<i>Eragrostis intermedia</i>)	0.5
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sideoats grama (<i>Bouteloua curtipendula</i>)	5.0
Plains bristlegrass (<i>Setaria macrostachya</i>)	2.0

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

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QUESTIONS

Action 307860

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	307860
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2317029661
Incident Name	NAPP2317029661 ASIO OTUS FEDERAL 003H @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2202647776] ASIO OTUS FED #3H RT BTTY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ASIO OTUS FEDERAL 003H
Date Release Discovered	06/02/2023
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 4 BBL Recovered: 0 BBL Lost: 4 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, Page 2

Action 307860

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
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[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)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 01/25/2024
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QUESTIONS, Page 3

Action 307860

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	307860
	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)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	8015
GRO+DRO (EPA SW-846 Method 8015M)	8015
BTEX (EPA SW-846 Method 8021B or 8260B)	8021
Benzene (EPA SW-846 Method 8021B or 8260B)	8021

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	01/25/2024
On what date will (or did) the final sampling or liner inspection occur	01/24/2024
On what date will (or was) the remediation complete(d)	01/25/2024
What is the estimated surface area (in square feet) that will be reclaimed	9900
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	9800
What is the estimated volume (in cubic yards) that will be remediated	1472

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 307860

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	307860
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	ASIO OTUS FED #3H RT BTTY [fAPP2202647776]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 01/25/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 307860

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
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	Action Number:
	307860
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 307860

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	307860
	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 307860

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 307860
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved. A variance to collect five-point composite samples from the base and sidewalls of the excavation no more than 400 square feet is approved. Submit closure report to OCD by 6/9/2024.	3/11/2024